

STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD

**DIVISION OF WATER RIGHTS**

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In the Matter of Permit 12727 (Application 9368)  
U.S. Bureau of Reclamation

**ORDER APPROVING CHANGE IN PLACE OF USE  
AND AMENDING THE PERMIT**

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SOURCE: Old River  
COUNTY: Alameda

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**WHEREAS:**

1. Permit 12727 was issued to U.S. Bureau of Reclamation on April 12, 1961, pursuant to Application 9368.
2. A petition to change the place of use was filed with the State Water Resources Control Board (SWRCB) on May 23, 2001, and the SWRCB has determined that good cause for such change has been shown. Public notice of the change was issued on November 16, 2001, and no protests were received.
3. The SWRCB has determined that the petition for change in place of use does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

**NOW, THEREFORE, IT IS ORDERED THAT PERMIT 12727 IS AMENDED TO READ AS FOLLOWS:**

1. The place of use as shown on USBR Map No. 214-208-12581 on file with the Board, and as further delineated in the GIS maps on file with the Board and attached to Board Decision 1641, is amended to include the following:

71 acres within E½ of Section 12, T14S, R11E, MDB&M.  
160 acres within NW¼ of Section 29, T14S, R12E, MDB&M.

3. All other conditions of Permit 12727 are still applicable.

STATE WATER RESOURCES CONTROL BOARD



Edward C. Anton, Chief  
Division of Water Rights

Dated: JUL 29 2002

STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

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In the Matter of Permit 12727 (Application 9368)  
U.S. Bureau of Reclamation

**ORDER APPROVING CHANGE IN PLACE OF USE  
AND AMENDING THE PERMIT**

---

SOURCE: Sacramento River

COUNTY: Shasta

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**WHEREAS:**

1. Permit 12727 was issued to U.S. Bureau of Reclamation on April 12, 1961, pursuant to Application 9368.
2. A petition to change the place of use was filed with the State Water Resources Control Board (SWRCB) on November 21, 1996, and the SWRCB has determined that good cause for such change has been shown. Public notice of the change was issued on March 12, 1997, and the protests have been resolved.
3. The SWRCB has determined that the petition for change in place of use does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.

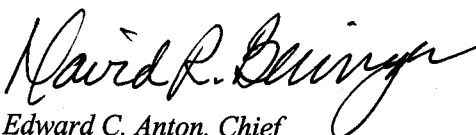
**NOW, THEREFORE, IT IS ORDERED THAT PERMIT 12727 IS AMENDED TO READ AS FOLLOWS:**

1. The place of use as shown on USBR Map No. 214-208-12480 on file with the SWRCB, and as further delineated in the GIS maps on file with the SWRCB and attached to SWRCB Decision 1641, is amended to include the following:

30,000 net acres within a gross area of 70,000 acres within the Pajaro Valley Water Management District, as shown on USBR Map No. 214-208-12480 dated November 1, 1996, on file with the SWRCB.

2. All other conditions of Permit 12727 are still applicable.

STATE WATER RESOURCES CONTROL BOARD

  
for Edward C. Anton, Chief  
Division of Water Rights

Dated: JUL 19 2002

P12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

IN THE MATTER OF PERMIT 12721, ET AL. (APPLICATION 5626, ET AL.) OF  
U.S. BUREAU OF RECLAMATION AND  
CALIFORNIA DEPARTMENT OF WATER RESOURCES,  
PETITIONERS

ORDER APPROVING TEMPORARY CHANGE OF EFFECTIVE DATE OF  
SUISUN MARSH CHANNEL SALINITY OBJECTIVES

BY BOARD MEMBER JAMES M. STUBCHAER

**1.0 INTRODUCTION**

On September 19, 1997, the California Department of Water Resources (DWR) and the U.S. Bureau of Reclamation (USBR) jointly filed a petition for Temporary Urgency Change with the State Water Resources Control Board (SWRCB), pursuant to Water Code section 1435 et seq., requesting a delay in the date when their water right permits will require them to meet channel water salinity objectives at compliance stations S-35 (Goodyear Slough at Morrow Island Clubhouse) and S-97 (Cordelia Slough at Ibis Club). Temporary changes authorized under section 1435 et seq. expire 180 days after date of issuance, after which they may be renewed.

I am delegated authority to approve this temporary urgency change, pursuant to Water Code section 1435(d) and SWRCB Resolution No. 97-006, section 1.3.

**2.0 SUBSTANCE OF THE PETITION**

The DWR and the USBR are, essentially, requesting that the SWRCB, under Water Code 1435 et seq., temporarily relieve them of the obligation to meet channel water salinity standards at two western Suisun Marsh stations, S-35 and S-97. Granting their petition would delay the effective date for meeting the salinity standards at these two stations. In the absence of this Order, the standards for these two stations would become effective in October 1997, and would have to be in compliance by the end of October 1997.

**3.0 BACKGROUND**

Under SWRCB Order WR 95-6, the water rights held by the DWR and the USBR for operation of the State Water Project (SWP) and the Central Valley Project (CVP) require compliance with salinity objectives for the Suisun Marsh. The effective date for meeting the last of the salinity objectives to be met, in the western Suisun Marsh, is October, 1997. The Suisun Marsh salinity objectives in Order WR 95-6 implement aspects of the

May 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (1995 Bay-Delta Plan). The objectives are intended to protect the beneficial uses of the Suisun Marsh as a brackish tidal marsh and to ensure a continued supply of water for waterfowl food plant production.

The 1995 Bay-Delta Plan's numeric salinity objectives for three locations in the eastern marsh and four locations within the western marsh (see Figure 1) are based on the Suisun Marsh Preservation Agreement (SMPA) executed in 1987 by the DWR, the USBR, the California Department of Fish and Game (DFG) and the Suisun Resource Conservation District (SRCD). The objectives establish the maximum monthly average of electrical conductivity (EC) levels of both daily high tide EC values (mmhos/cm @ 25°C), for each month during the October through May period. The objectives for the eastern marsh and for station S-21 in the western marsh are currently in effect and are being met. In the absence of this Order, the western marsh channel water salinity objectives at S-97, S-35 and S-42 all would be in effect for the first time in October 1997. Order WR 95-6 requires the DWR and the USBR to either comply with the Suisun Marsh channel water salinity objectives or demonstrate that other actions undertaken by the permittees will provide equivalent or better protection to the managed wetlands.

In July 1995 the DWR, the USBR, the DFG and the SRCD began negotiating an update (Amendment Three) to the SMPA. The parties have agreed, based on technical analysis, that additional large scale facilities are not needed for salinity control in the Marsh because the Suisun Marsh Salinity Control Gates are effective in controlling the salinity in most areas of the Suisun Marsh. In lieu of new large facilities the parties have proposed a series of management actions which are consistent with the SMPA objectives of (1) improving water and habitat management throughout the marsh, (2) lowering diversion water salinity and soil water salinity on western Marsh managed wetlands and (3) providing funds to managed wetlands for more intensive management activities during prolonged drought conditions.

The parties are in the final phases of negotiating Amendment Three, and expect to execute it within the next several months. Amendment Three requires the parties to the SMPA to carry out a series of twelve management actions to improve water quality and habitat conditions within the managed wetlands of the Marsh. When Amendment Three has been executed, the parties will seek SWRCB concurrence that the management actions required by Amendment Three will provide protection to the managed wetlands which is equivalent to or better than that provided by the numeric channel water salinity standards. Until Amendment Three is executed, the DWR and the USBR allege that they have an urgent need to be relieved temporarily from the requirement to meet the salinity standards for stations S-35 and S-97.

In summary form, SMPA Amendment Three management actions include:

1. Meeting Channel Water Salinity Standards in Order WR 95-6 for all stations except S-35 and S-97.
2. Conversion of S-35 and S-97 compliance stations to monitoring stations.
3. September Operation of Suisun Marsh Salinity Control Gates.
4. A Water Manager Program.
5. Update Existing Management Plans.
6. A Joint-Use Facilities Program
7. Managed Wetland Improvement Fund.
8. Consolidate and Redirect Morrow Island Drainage to Suisun Bay.
9. Portable Diversion Pumps With Fish Screens.
10. Portable Drainage Pumps.
11. Realign and Stabilize Roaring River Distribution System Turnouts.
12. Drought Response Fund

In support of the petition, the DWR submitted a Demonstration Document which discusses in detail each of the above actions and explains how they would provide equivalent or better protection.

#### **4.0 OBJECTIONS TO THE PETITION**

The SWRCB received two objections to the proposed change. The first objection is from Morrow Island Land Company (Morrow), an owner of property located in the Suisun Marsh adjacent to Goodyear Slough (the location of station S-35). Morrow asserts that there is no logical reason for delaying the effective date for meeting the salinity objectives at S-35 and S-97, and argues that the salinity standards should be implemented until SMPA Amendment Three is applicable.

The second objection is from the California Sportfishing Protection Alliance (CSPA). CSPA misunderstands the petition and believes that the proposed action is final approval of the program described in the Demonstration Document. On the basis of this belief, CSPA argues that the proposed action is premature and is inadequately supported under the California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.). In effect, CSPA is objecting to a proposal, alternative implementation under SMPA Amendment Three, that is not yet before the SWRCB.

#### **5.0 CRITERIA FOR APPROVING THE PROPOSED CHANGE**

Chapter 6.6 of Part 2, Division 2, of the Water Code, commencing at section 1435, provides that any permittee or licensee who has an urgent need to change a point of diversion, place of use, or purpose of use from that specified in the permit or license may petition for a conditional, temporary change order. The SWRCB's regulation, at California Code of Regulations, Title 23, section 791(e), provides that the SWRCB shall follow as

nearly as possible the procedures for changes in point of diversion, place of use, or purpose of use when processing petitions for other types of changes in water right permits and licenses. Accordingly, the procedures under section 1435 are applicable to changes to water right permits and licenses that the SWRCB approves pursuant to its duty of continuing supervision over the diversion and use of water.

The SWRCB must make the findings specified in section 1435(b) before issuing a temporary change order pursuant to Chapter 6.6. The required findings are:

- (1) The permittee or licensee has an urgent need to make the proposed change.
- (2) The proposed change may be made without injury to any other lawful user of water.
- (3) The proposed change may be made without unreasonable effect upon fish, wildlife, or other instream beneficial uses.
- (4) The proposed change is in the public interest, including findings to support change order conditions imposed to ensure that the change is in the public interest, and may be made without injury to any other lawful user of the water, and without unreasonable effect upon fish, wildlife, and other instream beneficial uses.

#### 5.1 Urgency of the Proposed Change

Under Chapter 6.6, an urgent need to make a proposed change exists when the SWRCB concludes that the proposed temporary change is necessary to further the constitutional policy that the water resources of the state be put to beneficial use to the fullest extent of which they are capable and that waste of water be prevented. An urgent need does not exist, however, if the petitioner has failed to exercise due diligence either in petitioning for a change pursuant to other provisions of Division 2 of the Water Code or in pursuing the petition for change.

The permittees have an urgent need for the proposed temporary change because without the change the requirement to meet the salinity standards at stations S-35 and S-97 will be in effect immediately, and the DWR and the USBR will be required to meet the salinity standards. Meeting the standards at this time would require the devotion of substantial quantities of water to diluting salinity in the channels of the western Suisun Marsh, and would not provide an opportunity to test some of the management actions. The purpose of meeting the salinity standards in the channels is to achieve soil water salinities that will support plants characteristic of a brackish marsh. The DWR and the USBR have provided information that indicates that the planned management actions using less water, and using the water more effectively, will achieve the same results as meeting the standards or will achieve better results, while minimizing the use of fresh water. The DWR and USBR

should be given the opportunity to put this program in place and make the argument that such a program provides benefits equivalent to providing in-channel salinity control.

5.2 No Injury to Any Other Lawful User of Water

Morrow's objection may be intended to express a concern that the proposed temporary change could work an injury on Morrow's use of water. Morrow does not specifically allege that it is a legal user of water. Assuming that Morrow is a legal user of the water in the channels of the Suisun Marsh, I find that the proposed change will not injure Morrow's use of water. Impacts on instream beneficial uses, which may also be considered legal users of water to the extent that those uses are protected by the public trust or other legal doctrines, are discussed in section 5.3.

The DWR and USBR will be able to implement some management measures under the authority of the existing SMPA without completing their environmental documentation. The management measures that the permittees intend to implement during the period of the temporary change can be expected to improve the soil salinity conditions compared with previous conditions, by making better use of the channel water. This should be beneficial to Morrow, not injurious. The western Suisun Marsh standards at S-35 and S-97 have never been met through specific water project operations. A six-month delay in implementing these standards developed to protect wildlife resources may or may not provide the expected benefits, but will not cause new injury to other legal users of water.

5.3 No Unreasonable Effect Upon Fish, Wildlife, or Other Instream Beneficial Uses

CSPA's objection is based on impacts to fish. The salinity standards for which the compliance requirement will be temporarily lifted, are not established for the protection of fish or other instream beneficial uses, but rather are intended to protect wildlife that use the plants grown in a brackish marsh habitat as a food reserve. Therefore, extending the date for meeting the salinity standards will not affect a use of water by fish.

Further, the Suisun Marsh Salinity Control Gates (SMSCG) and their effects on Chinook salmon that CSPA mentions in its objection are not involved in the proposed temporary change. The proposed change will have no effect on the operation of the Gates. DWR has conducted field testing that shows that SMSCG operation has little or no effect on the far western compliance stations. If the DWR and USBR were to attempt compliance through more aggressive SMSCG operation, the impact on migratory fish would be increased.

With respect to potential impacts on instream beneficial uses other than fish, I find that because this change is only temporary, and the management measures being implemented during that period are expected to improve soil salinity conditions compared to previous conditions, the change will not have an unreasonable effect on aquatic vegetation or wildlife dependent on that vegetation.

#### 5.4 The Proposed Change is in the Public Interest

The DWR and the USBR are on the brink of executing Amendment Three of the SMPA. The DWR and USBR intend that Amendment Three will establish protection for the beneficial uses in the Suisun Marsh that will be equivalent to, or better than, the protection that would be achieved by meeting the in-channel salinity standards in the 1995 Bay-Delta Plan at stations S-35 and S-97. The DWR and the USBR, however, need additional time to complete necessary documentation before seeking the SWRCB's concurrence in the implementation of Amendment Three. Requiring them to meet the salinity standards at the two stations at this time could preclude them from testing the management strategies they intend to use this year, and would require the dedication of a substantial additional amount of fresh water. Allowing them to conduct the management actions during the term of the temporary change instead of meeting the salinity standards in the channels will make the most reasonable use of the available water.

#### 6.0 ENVIRONMENTAL COMPLIANCE

The proposed change is exempt from the California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.) in accordance with Title 14, California Code of Regulations section 15061(b)(3). CEQA applies to those projects which have a potential for causing a significant effect to the environment. If it can be foreseen with certainty that there is no possibility that an activity will have a significant effect on the environment, then the activity is not subject to CEQA. Channel water salinity standards for the western Suisun Marsh compliance stations S-35 and S-97 have never been in effect. A temporary extension of the effective compliance date creates an environmental condition which is indistinguishable from the pre-project or base condition. Therefore, approval of the proposed petition can cause no change to the environment and is exempt from CEQA.

CSPA argued in its objection that the proposed temporary change should not be approved until a particular environmental document being prepared by the DWR and USBR is completed. CSPA misunderstands the purpose of the subject environmental document. The environmental document that DWR and USBR are preparing will not address the proposed temporary change, but instead will address the long-term change in the implementation of protections for the Suisun Marsh under Amendment Three. This is a separate action.

#### 7.0 CONCLUSIONS

1. The DWR and the USBR have an urgent need to make the proposed change.
2. The proposed change may be made without injury to any other lawful user of water.



3. The proposed change may be made without unreasonable effect upon fish, wildlife, and other instream beneficial uses of water.
4. The proposed change is in the public interest.

### ORDER

NOW, THEREFORE, IT IS ORDERED that the DWR's and USBR's petition for temporary urgency change of permits and licenses issued under Application 5626 et al. (listed in Appendix B, Order WR 95-6) under Water Code section 1435 et seq. is approved, temporarily removing the requirement that the DWR and the USBR meet the channel water salinity objectives at compliance stations S-35 (Goodyear Slough at Morrow Island Clubhouse) and S-97 (Cordelia Slough at Ibis Club), subject to the following terms and conditions:


1. All terms and conditions of the permits and licenses issued under Application 5626 et al. shall remain in effect, except as temporarily modified by the terms and conditions of this Order and any further related Order that may be issued during the effective period of the temporary changes.
2. The temporary change in the requirement to meet the salinity objectives will be effective for a period of 180 days commencing on October 1, 1997, and may be renewed for additional periods not to exceed 180 days from the date of renewal.
3. Not later than March 15, 1998, DWR and USBR shall provide a summary of the results of implementing management measures during the temporary change to the Chief of the Division of Water Rights, and to any parties requesting a copy of the summary.
4. Pursuant to Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this temporary change Order, are subject to the continuing authority of the SWRCB in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

The continuing authority of the SWRCB also may be exercised by imposing specific requirements over and above those contained in this Order to minimize waste of water and to meet reasonable water requirements without unreasonable draft on the source.

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5. The SWRCB reserves jurisdiction to supervise the transfer, exchange and use of water under this Order, and to coordinate or modify terms and conditions, for the protection of vested rights; fish, wildlife, instream beneficial uses; and the public interest as future conditions may warrant.

Dated: October 30, 1997

  
\_\_\_\_\_  
JAMES R. STUBCHAER, MEMBER  
STATE WATER RESOURCES CONTROL BOARD

APPLICATION 9368, PERMIT **12727**

PERMIT AMENDED

SEE WR ORDER 95-6

ISSUED JUNE 8, 1995

89368

12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**DIVISION OF WATER RIGHTS**

**ORDER**

APPLICATION 5626 and 11 others PERMIT 1272<sup>1</sup>~~0~~ and 11 others LICENSE \_\_\_\_\_  
(as Listed on attachment A)

**ORDER APPROVING CHANGE(S)  
IN POINT OF DIVERSION AND REDIVERSION,  
THE PLACE OF USE, AND AMENDING THE PERMIT**

**WHEREAS:**

1. The permittee is the U.S. Bureau of Reclamation.
2. A petition for change has been filed with the State Water Resources Control Board (Board).
3. The petitioned change(s) would not constitute the initiation of a new right nor operate to the injury of any other lawful user of water.
4. The Board's continuing authority should be updated to conform to Title 23, CCR Section 780(a).

**NOW, THEREFORE, IT IS ORDERED THAT:**

1. Condition of the permit related to the points of diversion shall be amended to include the following:

A point of diversion or redirection at Clifton Court Forebay; being within the NW $\frac{1}{4}$  of SE $\frac{1}{4}$  of projected Section 20, T1S, R7E, MDB&M:  
California Coordinate System: Zone 3, N 786,035, E 1,695,057. (0000001)

The amount of water diverted under this order shall be limited to the amount required for use at the National Cemetery of Northern California as described in Condition 2 below. The rates of diversion shall conform to the provisions of Decision 1485 and any subsequent Decisions or Orders affecting the diversion of water at Clifton Court Forebay.

2. The condition of the permit related to the place of use shall be amended to include the following:

The National Cemetery of Northern California, being 322 acres within the S $\frac{1}{2}$  of Section 27 and the N $\frac{1}{2}$  of Section 34, T9S, R8E, MDB&M. (0000004)

3. A condition of the permit be added to read:

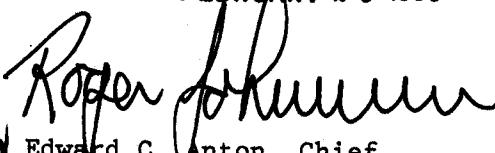
Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

(0000012)

Dated: FEBRUARY 23 1993

  
✓ Edward C. Anton, Chief  
Division of Water Rights

ATTACHMENT A

Permits of the United States Bureau of Reclamation:

Permit 12721 (Application 5626)  
Permit 11967 (Application 5628)  
Permit 12722 (Application 9363)  
Permit 12723 (Application 9364)  
~~Permit 12724 (Application 9365)~~  
Permit 11315 (Application 13370)  
Permit 11316 (Application 13371)  
Permit 11968 (Application 15374)  
Permit 11969 (Application 15375)  
Permit 11971 (Application 16767)  
Permit 11973 (Application 17374)  
Permit 12364 (Application 17376)

8 12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional  
Temporary Urgency Change Order  
On Permits (Applications) 12727  
(9368), 12860 (15764), 16597  
(14858A) and 16600 (19304)

The U.S. BUREAU OF RECLAMATION,  
Permittee

) ORDER: WR 88- 24  
)  
) SOURCE: Old River  
) Stanislaus River  
)  
) COUNTY: Contra Costa  
) Calaveras  
) Tuolumne  
)

ORDER AMENDING AND VALIDATING ISSUANCE OF  
CONDITIONAL TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION, POINT OF REDIVERSION,  
PLACE OF USE AND PURPOSE OF USE

BY THE BOARD:

The U. S. Bureau of Reclamation (Bureau) having filed a petition for a Temporary Urgency Change in point of diversion, point of rediversion, place of use and purpose of use pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the State Water Resources Control Board (Board) having consulted with the U. S. Fish and Wildlife Service, the Department of Fish and Game (DFG) and the Department of Water Resources (DWR); Board Chairman W. Don Maughan having concluded from available information that the Bureau qualifies for a Temporary Urgency Change and having issued a Conditional Temporary Urgency Change Order on October 7, 1988, subject to review and validation by the Board as provided by Water Code Section 1435 (d); the Board finds as follows:

Substance of the Proposed Change

1. On September 30, 1988 the Bureau filed a petition with the Board. As amended on October 7, 1988 the petition requests the Board to make the

following temporary changes to Bureau Permits 12727, 12860, 16597 and 16600, for 180 days from the date of the order authorizing the change:

- (A) Add the State Water Project (SWP) Harvey O. Banks Pumping Plant (SWP Banks) as a point of diversion under Central Valley Project (CVP) Delta Permits 12727 and 12860.
- (B) Add fish and wildlife enhancement as a purpose of use to CVP Delta Permits 12727 and 12860.
- (C) Add SWP Banks as a point of rediversion under New Melones Reservoir storage Permits 16597 and 16600.
- (D) Add Grasslands Water District (Grasslands) and the San Luis Unit of the CVP to the place of use under New Melones Reservoir storage Permits 16597 and 16600.

The total quantity of water diverted or rediverted under this temporary urgency change shall not exceed 45,000 acre-feet (af) and shall be no greater than:

- (A) 25,000 af for delivery to Grasslands for waterfowl habitat; plus
- (B) 20,000 af of exchange water for salmon outmigration from the San Joaquin River.



## Notice and Responses

2. On October 7, 1988 a Notice of the petition for Temporary Urgency Change was provided by publication and mail to interested parties. The period for submitting objections ended October 21, 1988.
3. Two letters of support and one objecting to granting of the Bureau Temporary Urgency Change petition were received. The Environmental Defense Fund (EDF) and California Waterfowl Association (CWA) supported the temporary urgency changes. Stockton East Water District (SEWD) objected.
4. Board staff met with EDF, SEWD, DWR, DFG and the Bureau on October 26, 1988 to discuss the objector's concerns and the proponents' responses. SEWD's representative explained at the October 26, 1988 meeting that the concern is that a water supply be maintained in New Melones Reservoir for future years and that no more water should be used for fish than is necessary.
5. The EDF supports the New Melones/Grasslands/San Joaquin River proposal as an "innovative approach to increasing water availability for fish and wildlife purposes ... [which] could serve as a beginning for a much larger effort to protect and restore the State's aquatic environments." However, during the meeting on October 26, 1988 EDF expressed concern about additional pumping in April. The Bureau representative stated they would not need to redirect New Melones Reservoir releases at the Delta after March 31, 1989 and would have no objection to Condition 5 of the October 7, 1988 order being so amended. To further eliminate concern about the timing

of diversions under this order, Condition 5 of the October 7, 1988 order will be amended to strike the reference to the possibility of modification allowing diversion past March 31, 1989.

6. The CWA letter states that CWA strongly supports this request and hopes the Board will act favorably on it in the near future.
7. The SEWD objection asks that any permit (change order) granted for temporary use of 45,000 af of New Melones Reservoir releases for fish and wildlife in the Grasslands and the San Joaquin River be conditioned to require the 45,000 af be counted as part of the 98,000 af annual fish flow of Board Decision 1422.
8. With respect to the SEWD objection the Board finds:

(A) DFG has contracted with the Bureau to release up to 45,000 af of additional water from New Melones Reservoir in October, November and December to increase flows in the Stanislaus River below Goodwin Dam by 400 cfs (over currently required minimum fish flow requirements) to improve salmon spawning conditions this fall. The contract with DFG for use of water in the Stanislaus River requires no water right changes and does not require Board approval. Additionally, because of an unusually large salmon run expected this fall, the additional flow is needed to provide adequate spawning habitat for the salmon returning to the Stanislaus River. The Bureau has adequate water in storage in New Melones Reservoir to sell water to DFG this fall without impacting next year's service to SEWD.

(B) The Bureau petition requested Board authorization to redirect the New Melones Reservoir releases as follows:

- (1) 25,000 af for use in Grasslands for waterfowl habitat use this fall, and
- (2) 20,000 af to storage in San Luis Reservoir to offset releases through the Volta Wasteway to the San Joaquin River in April 1989.

The Bureau petition also states that the Bureau is willing to release the additional New Melones Reservoir water only if the Board authorizes use of SWP Banks to pump 45,000 af of water to San Luis Reservoir. The October 7, 1988 conditional Order authorizes SWP Banks pumping of the additional 45,000 af.

- (C) The 45,000 af of water contracted for by DFG this fall is clearly in addition to the 98,000 af per annum required by Condition 2 of Board Decision 1422. Therefore the 45,000 af cannot be counted as a part of the 98,000 af required for preservation and enhancement of fish and wildlife under Decision 1422.
- (D) We appreciate SEWD's concern that water not be used wastefully or unreasonably, and that the carry-over supply should be maintained. However, it appears that there will be no adverse effect on SEWD's future water supply as a result of approval of this petition.

Further, the petitioned redirection of 45,000 af of water from New Melones Reservoir will allow important reasonable and beneficial use of water. Thus, under the petition, water from New Melones Reservoir will be used and reused beneficially.

Action by Board Chairman Maughan

7. In accordance with the delegation of authority in Water Code Section 1435 (d), and the Board's adoption of Resolution 84-2, Board Chairman Maughan made findings and issued a Conditional Temporary Urgency Change Order on October 7, 1988 allowing a temporary change in point of diversion, point of redirection, place of use and purpose of use for up to 45,000 af of water under Permits 12727, 12860, 16597 and 16600 subject to several specified conditions. We concur in and incorporate herein by reference the findings set forth in the Order issued on October 7, 1988.

ORDER

IT IS HEREBY ORDERED THAT:

1. Issuance of the October 7, 1988 order by Board Chairman Maughan allowing a Conditional Temporary Urgency Change in the point of diversion, point of redirection, place of use and purpose of use under Permits 12727, 12860, 16597 and 16600 is validated subject to the terms and conditions specified in the Order except as amended below.

2. Condition 5 of the October 7, 1988 order is amended to read:

5. Diversion or rediversion of water at SWP Banks under this order is authorized beginning October 7, 1988 and may continue through March 31, 1989. This authorization shall be of no further force or effect on April 1, 1989.

#### CERTIFICATION

The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of the order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 2, 1988.

AYE: W. Don Maughan  
Darlene E. Ruiz  
Eliseo M. Samaniego  
Danny Walsh

NO: None

ABSENT: Edwin H. Finster

ABSTAIN: None

  
Maureen Marche  
Administrative Assistant to the Board

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional	)	ORDER:	WR 88- 18
Temporary Urgency Change Order	)		
on Permits 12721, 11967, 12722,	)	SOURCE:	Old River
12723, 12727, 11315, 11316, 11968	)		
11969, 12860, 11971, 11973 and	)	COUNTY:	Contra Costa
12364 issued pursuant to	)		
Applications 5626, 5628, 9363,	)		
9364, 9368, 13370, 13371, 15374	)		
15375, 15764, 16767, 17374 and	)		
17376	)		

ORDER VALIDATING ISSUANCE OF  
CONDITIONAL TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION AND REDIVERSION

BY THE BOARD:

The U.S. Bureau of Reclamation (Bureau) having filed a petition for a Temporary Urgency Change in point of diversion and rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the State Water Resources Control Board (Board) having consulted with the U. S. Fish and Wildlife Service (Service), the Department of Fish and Game (DFG) and the Department of Water Resources (DWR); Board Member Edwin H. Finster having concluded from available information that the Bureau qualifies for a Temporary Urgency Change and having issued a Conditional Temporary Urgency Change Order on August 18, 1988, subject to review and validation by the Board as provided by Water Code Section 1435(d); the Board finds as follows:

Substance of the Proposed Change

1. On June 30, 1988 the Bureau filed a petition with the Board to add the State Water Project's (SWP) Clifton Court Forebay, at the intake of the Harvey O. Banks Pumping Plant (Banks Plant), operated by the DWR, as a temporary point of diversion and rediversion under the following Bureau permits.

TABLE 1  
Water Right Applications and Permits Covered by the  
Petition for Temporary Urgency Change

<u>Application</u>	<u>Permit</u>
5626	12721
5628	11967
9363	12722
9364	12723
9368	12727
13370	11315
13371	11316
15374	11968
15375	11969
15764	12860
16767	11971
17374	11973
17376	12364

The petition requests that, in addition to the existing Central Valley Project's (CVP) point of diversion and redirection specified in the permits, the Bureau be allowed to divert or redirect water temporarily under the above permits at the Clifton Court Forebay, the intake of the Banks Plant, at the following location:

California Coordinates, Zone 3, N 486,035;  
E 1,695,057; within the NW 1/4 of SE 1/4 of  
projected Section 20, T1S, R4E, MDB&M.

2. The petition requests that diversion and redirection at the Banks Plant be authorized for up to 85,500 acre-feet of the Bureau's water that the Bureau is entitled to divert under the permits listed above during the July 1, 1988 through February 28, 1989 period, to accommodate the following drought related requests:

- A) To supply 7,500 acre-feet of water to the Kern National Wildlife Refuge (KNWR) from September 1, 1988 through December 31, 1988.
- B) To replace pumping capacity lost to the Bureau caused by reductions of pumping at the Tracy Pumping Plant. This operation is for the purpose of studying the influences of the Tracy Pumping Plant, during extreme tidal events, on minimum water levels in the southern Delta, for water users of the South Delta Water Agency (SDWA). The pumping capacity lost is estimated to be up to 48,000 acre-feet due to tidal events during July and August of 1988.
- C) To replace pumping capacity lost to the Bureau caused by reductions in releases from Shasta Reservoir. This operation is for the purpose of enhancing temperature conditions for Chinook (King)



salmon eggs and juvenile salmon in the upper Sacramento River. The pumping capacity lost is estimated to be up to 30,000 acre-feet during October and November 1988.

#### Temporary Urgency Need

3. The Central Valley of California is experiencing consecutive critically dry water years.
4. Even if the fall and winter runoff this year is normal or above normal the Bureau will not have sufficient pumping capacity available at the Tracy Pumping Plant to pump water related to the requested additional service and pumping deferrals.

#### Notices and Responses

5. On July 15, 1988 a Notice of the petition for a Temporary Urgency Change and of a proposed hearing was mailed to interested parties. The Board received letters of support, policy statements or objections from:

- A) Semitropic Water Storage District,
- B) Wilson, Hoslett & Whitridge (for the South Delta Water Agency),
- C) California Waterfowl Association,
- D) Murray, Burns and Kienlen (for the East Contra Costa Irrigation District),
- E) Trinity County, and
- F) Legal Department of the Hoopa Valley Business Council.

Three of the letters (A, B, and C) were supportive of the proposed change, one letter (D) requested the observance of a condition in an existing agreement with DWR, and two letters (E and F) contained objections. The

objectors indicated that they would not attend the hearing scheduled for August 10 and 11, 1988. The hearing was therefore cancelled. The observance of the DWR Agreement will be made a condition of this temporary change order. The objections are addressed in the findings below.

The California Waterfowl Association letter of support mentions that the KNWR requires 8,200 af rather than 7,500 af this year. The petition was noticed for the requested 7,500 af. If further water is needed, an additional petition is required.

6. On August 26, 1988 a Notice of the petition was published in the Contra Costa Times. The period for submitting objections ended September 6, 1988.

FINDINGS RELATED TO DELIVERY OF WATER TO KERN NATIONAL WILDLIFE REFUGE (KNWR)  
ACTION:

7. The Bureau is authorized under its existing permits to service the KNWR with water from the Delta. Under existing limits on the Tracy Plant the Bureau cannot service the KNWR request for 7,500 af this season.
8. Both objectors are concerned that no additional reduction in flows in the Trinity River result from this temporary change. This conditional temporary urgency change allows the Bureau to use the Banks Plant to pump the 7,500 af for KNWR. When uncontrolled flows are available for diversion, no additional releases from Trinity would be necessary. While a portion of the 7,500 af could be withdrawn from the Trinity River such withdrawal would be insignificant this year and would not cause a violation of any permit terms or conditions.

9. The proposed action is a minor alteration in the operations of the water projects, results in an improvement of habitat for wildlife and assures maintenance of a natural resource. Successive actions of this type do not have significant cumulative impacts.

FINDINGS RELATED TO PUMPING MODIFICATIONS TO BENEFIT THE SOUTH DELTA WATER AGENCY ACTION:

10. Water users along the Old River, within the southern Delta, have had pumping problems when low water levels occur during extremely low tide cycles.
11. The water level problem may be compounded by pumping at the Tracy Pumping Plant.
12. Low tides are anticipated to occur about four days per tidal event, with four events occurring during July and August of 1988.
13. The SDWA, the DWR and the Bureau have an October 10, 1986 Agreement on a Framework for Settling Litigation regarding this problem, i.e., diversions in the south Delta during low water elevation conditions.
14. The Bureau's ability to reduce pumping at the Tracy Pumping Plant is constrained by the Bureau's contractual obligations to deliver CVP water to its users, and by capacity limits in the first reach of the Delta Mendota Canal. The Bureau has agreed to curtail pumping at the Tracy pumping plant by up to 1,600 cfs during the tidal events if the DWR is authorized to wheel replenishment water through the Banks Plant and the California Aqueduct.

15. This critically low flow year provides an opportunity to measure the influence of the Tracy Pumping Plant operations on water levels in the Old River during low tide events.
16. The East Contra Costa Irrigation District (ECCID), by Letter of Comment, dated July 28, 1988, had no objection to the temporary change "provided that the State Water Project facilities are operated in accordance with the following condition contained in paragraph 4 from the Contract Between the State of California, DWR, and the ECCID for the Assurance of a Dependable Water Supply of Suitable Quality.

"4. Water Surface Elevation: The State shall not operate the SWP so as to cause the water surface elevation at the District's Pumping Plant No. 1 to fall below - .230 feet, District datum (0.0 on District datum is equal to +0.35 feet USGS datum) during the period April 1 through October 31 of each year."

17. This change will not have an effect on storage in Trinity Reservoir distinguishable from the operations of the CVP without this change, and consequently will not adversely affect the interests of the objectors.
18. The proposed action is an experimental management activity that will allow collection of valuable information regarding the effects of curtailing diversions during low tide cycles. Successive projects of this type do not have a significant cumulative impact.

FINDINGS RELATED TO FLOW AND PUMPING CHANGES REQUESTED BY THE DEPARTMENT OF  
FISH AND GAME:

19. Because of low runoff conditions this year, Shasta Reservoir will be at a low level and consequently releases from the reservoir during this fall will be warmer than optimum for the survival of salmon eggs and juvenile salmon. Water temperatures can be lowered by: 1) increasing the proportion of Keswick Dam releases originating from the Trinity River, and/or 2) by making releases from the lower level outlets at Shasta Dam, which results in loss of hydroelectric power generation.
20. This year's critically dry water conditions and very hot weather this summer have resulted in high water temperatures in the upper Sacramento River below Keswick Dam. This is threatening the survival of the fall run Chinook (King) salmon eggs and fry (juvenile salmon). The Bureau has already begun releasing water from the lower levels at Shasta Dam to reduce temperatures and as a consequence has lost some hydroelectric power generation.
21. The requested modifications in flows below Keswick Dam will be achieved by reducing releases from Shasta Reservoir rather than increasing releases from Trinity Reservoir. The result will be an increase in the proportion of cooler Trinity Reservoir water below Keswick without an increase in the volume of Trinity water released. This will affect the amount of water being transferred this fall by the Bureau from storage (north of the Delta) to the San Luis Reservoir (south of the Delta). The modifications will not affect the net amount of carryover storage in Trinity Reservoir or the flows in the Trinity River that would be present without the temporary change.

22. The proposed changes will allow the Bureau to reduce considerably mortality in the fall salmon run without foregoing export of the water. The Bureau will be diverting water at Banks Plant for export at a time when it is anticipated that potential impacts of pumping will be minimal.
23. The proposed action is a minor alteration in water resources which results in improved habitat for fish and greater fish production, and is also an action to assure maintenance of a natural resource. Successive actions of this type do not have a significant cumulative impact.

#### Additional Findings

24. The Bureau has a temporary urgent need to add the proposed point of diversion and rediversion at the entrance to the Clifton Court Forebay and to use the DWR's Banks Plant, to make up for: 1) deliveries to the KNWR, 2) tidal considerations for the SDWA, and 3) reconfigured operations to reduce upper Sacramento River temperatures.
25. The temporary change described above:
- A) is in the public interest, because the actions are planned to assist and enhance fish and wildlife and gain information regarding natural tidal events,
  - B) does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water; since there is no other user between the permitted point and changed point; additional pumping (above Tracy's capacity) will occur when there are higher flows in the Delta to limit salinity intrusion, and

C) does not unreasonably affect fish, wildlife or other instream beneficial uses, and the intent of the measures is to enhance fish and wildlife habitats.

26. The temporary change will not have an effect distinguishable from normal operations of the CVP on the level of water stored in Trinity Reservoir or on flow in the Trinity River. Consequently, it will not adversely affect the interests of the objectors.

27. The Chief of the Division of Water Rights is authorized to file a Notice of Exemption pursuant to the State EIR Guidelines, Title 14, California Code of Regulations, Sections 15304, 15306 and 15307.

Actions by Board Member Finster

28. In accordance with the delegation of authority in Resolution 84-2 as authorized by Water Code Section 1435(d), Board Member Edwin H. Finster issued a Conditional Temporary Urgency Change Order on August 18, 1988, allowing a temporary change to the Bureau's permits, in the point of diversion and rediversion at the Clifton Court Forebay, subject to several specified conditions.

ORDER

IT IS HEREBY ORDERED THAT:

1. The issuance of the August 18, 1988 order by Board Member Finster allowing a Conditional Temporary Urgency Change in point of diversion and rediversion under Permit 12721 and 12 others is validated subject to the terms and conditions specified in the order except as corrected below.

2. IT IS FURTHERED ORDERED that this change is subject to the observance by the SWP at all times of Paragraph 4 of the October 10, 1986 Agreement between the DWR and the ECCID.
3. Information shall be gathered during the actions related to the tidal events and shall be submitted along with the information required in the Conditional Temporary Change Order.

#### CERTIFICATION

The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on September 7, 1988.

AYE:           W. Don Maughan                   Eliseo M. Samaniego                   Danny Walsh

NO:           None

ABSENT:       Darlene E. Ruiz                   Edwin H. Finster

ABSTAIN:     None

  
Maureen Marche  
Administrative Assistant to the Board



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional	)	ORDER: WR 88- 23
Temporary Urgency Change Order	)	
On Permits (Applications) 11315	)	SOURCES: American River
(13370), 11316 (13371), 11967 (5628),	)	Trinity River
11968 (15374), 11969 (15375), 11971	)	Clear Creek
(16767), 11973 (17374), 12364 (17376)	)	Sacramento River
12721 (5626), 12722 (9363), 12723 (9364)	)	The Delta
12727 (9368), and 12860 (15764)	)	
	)	COUNTIES: Trinity, Shasta
U.S. BUREAU OF RECLAMATION,	)	Sacramento,
Permittee	)	Contra Costa

ORDER AMENDING AND VALIDATING ISSUANCE OF CONDITIONAL  
TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION AND POINT OF REDIVERSION

BY THE BOARD:

The U. S. Bureau of Reclamation (Bureau) having filed a petition for a Conditional Temporary Urgency Change in point of diversion and rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the State Water Resources Control Board (Board) having consulted with the U. S. Fish and Wildlife Service, the Department of Fish and Game (DFG) and the Department of Water Resources (DWR); Board Chairman W. Don Maughan having concluded from available information that the Bureau qualifies for a Temporary Urgency Change and having issued a Conditional Temporary Urgency Change Order on October 17, 1988, subject to review and validation by the Board as provided by Water Code Section 1435 (d); The Board finds as follows:

Substance of the Proposed Change

1. On September 30, 1988 the Bureau filed a petition with the Board to add the State Water Project's Harvey O. Banks Pumping Plant (SWP Banks), operated by DWR as an additional temporary point of diversion and rediversion, for a 180 day period. The petition requests authorization for pumping of Bureau entitlement water, under 13 Central Valley Project (CVP) permits, through SWP Banks to accommodate the following drought related urgency requests:

(A) To increase the supply of CVP water to the Kern National Wildlife Refuge this fall from 7,500 acre-feet (approved September 7, 1988 by the Board Order WR 88-18) to 8,200 acre-feet.

(B) To supply 800 acre-feet of CVP water to Semitronic Water Storage District this fall for waterfowl areas located within the District.

(C) To replace curtailments at the Tracy Pumping plant CVP (Tracy) caused by reduced releases from Shasta Reservoir requested by the DFG. The reduction of release at Shasta Reservoir is for the purpose of enhancing temperature conditions for salmon eggs and juvenile salmon in the upper Sacramento River below Keswick Dam. The reduction in releases from Shasta Reservoir and possible curtailments at CVP Tracy during October, November and December 1988 are estimated to be up to an additional 125,000 acre-feet more than the 30,000 acre-feet approved in Board Order WR 88-18.

## Notice and Responses

2. On October 7, 1988 a Notice of the petition for Temporary Urgency Change was provided by publication and mail to interested parties. The period for submitting objections ended October 21, 1988.
3. Objections to granting the Bureau Temporary Urgency Change petition were received from the Environmental Defense Fund (EDF) and from Stockton East Water District (SEWD). Board staff met with EDF, SEWD, DWR, DFG and the Bureau on October 26, 1988 to discuss the objectors' concerns.
4. The EDF objection raises three areas of concern, absent certain assurances. Each concern is paraphrased below, followed by findings on each.
  - (A) Trinity River: EDF is concerned that approval of the petition will result in increased diversions from the Trinity Basin and reduced flows in the Trinity River. EDF asserts that no further reductions should be permitted.

The petition states that the Bureau is already planning to operate the Trinity River diversion and conveyance facilities at full capacity this fall. The plan under the petition would be to continue the current Trinity River diversion rates but reduce the Shasta Reservoir releases in the fall and then make up the reduced Shasta Reservoir releases with pumping at SWP Banks before April 1, 1989.

Minimum flows in the Trinity River are controlled by various permit conditions and the January 14, 1981 Trinity River Fishery Mitigation Agreement. The flow regime change requested by DFC which prompted the Bureau petition would not reduce those minimum flow requirements; nor does the October 17, 1988 Order authorize a reduction. Consequently the Trinity River will not be adversely affected by approval of the petition.

- (B) Increased Diversions: EDF is concerned that the continuing actions approved by Board Order WR 88-18 together with approval of the September 30, 1988 Bureau petitioned actions may affect the availability of CVP and SWP pumping capacity. EDF asks that the Board require an accounting from the Bureau which will show that the total quantity of export pumping at the Delta plants does not increase (except for associated evaporative losses).

Conditions 4 and 5 in the October 17, 1988 Conditional Order requires the Bureau to develop and file a revised accounting procedure (with updated operation study) acceptable to the Chief of the Division of Water Rights. The consolidated accounting procedure will itemize and totalize the daily pumping at the CVP Tracy and SWP Banks. The accounting procedure will be used to check the times and amounts of pumping under the various categories of the orders and will be used specifically to measure compliance with Condition 5(c) of the October 17, 1988 Order.

(C) Timing of Diversions: EDF also expressed concern about increased releases from Lake Oroville this fall being pumped at CVP Tracy with DWR making up its deferred SWP Banks pumping prior to September 1989. EDF alleges that, to facilitate May and June 1989 pumping at SWP Banks, DFG would agree to relieve DWR of its 2,000 cubic feet per second (cfs) pumping limit during May and June 1989 under the January 5, 1987 DWR/DFG letter agreement. EDF's concern is that relaxation of the agreement would allow pumping during May and June at 3,000 cfs, which is the maximum diversion allowed under Board Decision 1485. They allege the relaxation would in essence shift Delta pumping from the fall to May and June when they believe adverse direct pumping effects are more severe and when the need for Delta outflow is more critical. EDF claims this shift in timing of diversions would result in an environmental trade-off between the immediate benefits of reducing warm-water Shasta Reservoir releases and the future costs of increasing Delta pumping in May and June of 1989.

The shift of releases from Shasta Reservoir to Lake Oroville alleged by EDF and any change in diversion rates in May and June is not addressed in the petition; nor is it affected by the October 17, 1988 Order, which terminates March 31, 1989. Our review indicates that shifts in pumping authorized herein from October, November and December to January, February and March will result in no significant effects and will have no effect on diversions during May and June because all diversions under this temporary change will have been completed by

March 31, 1989. To further eliminate concern about the timing of diversions under this Order, Condition 3 of the October 17, 1989 Order will be amended to strike the reference to the possibility of an extension past April 1, 1989.

5. The SEWD objection asks that any permit (change order) granted for curtailment of releases of up to 125,000 acre-feet from Shasta and subsequent increased pumping from the Delta be conditioned to provide that no water from New Melones be used to make up the 125,000 acre-feet.

Condition 4 in Permits 16597 and 16600 restricts the place of use under the Bureau's New Melones storage permits to the Counties of Stanislaus, Calaveras, Tuolumne and San Joaquin. The October 17, 1988 Order does not authorize a change of place of use under Permits 16597 and 16600. The consolidated accounting procedure discussed in finding 4(B) above will also assure that no water is released from New Melones to make up the 125,000 acre-foot curtailment.

Action by Board Chairman Maughan

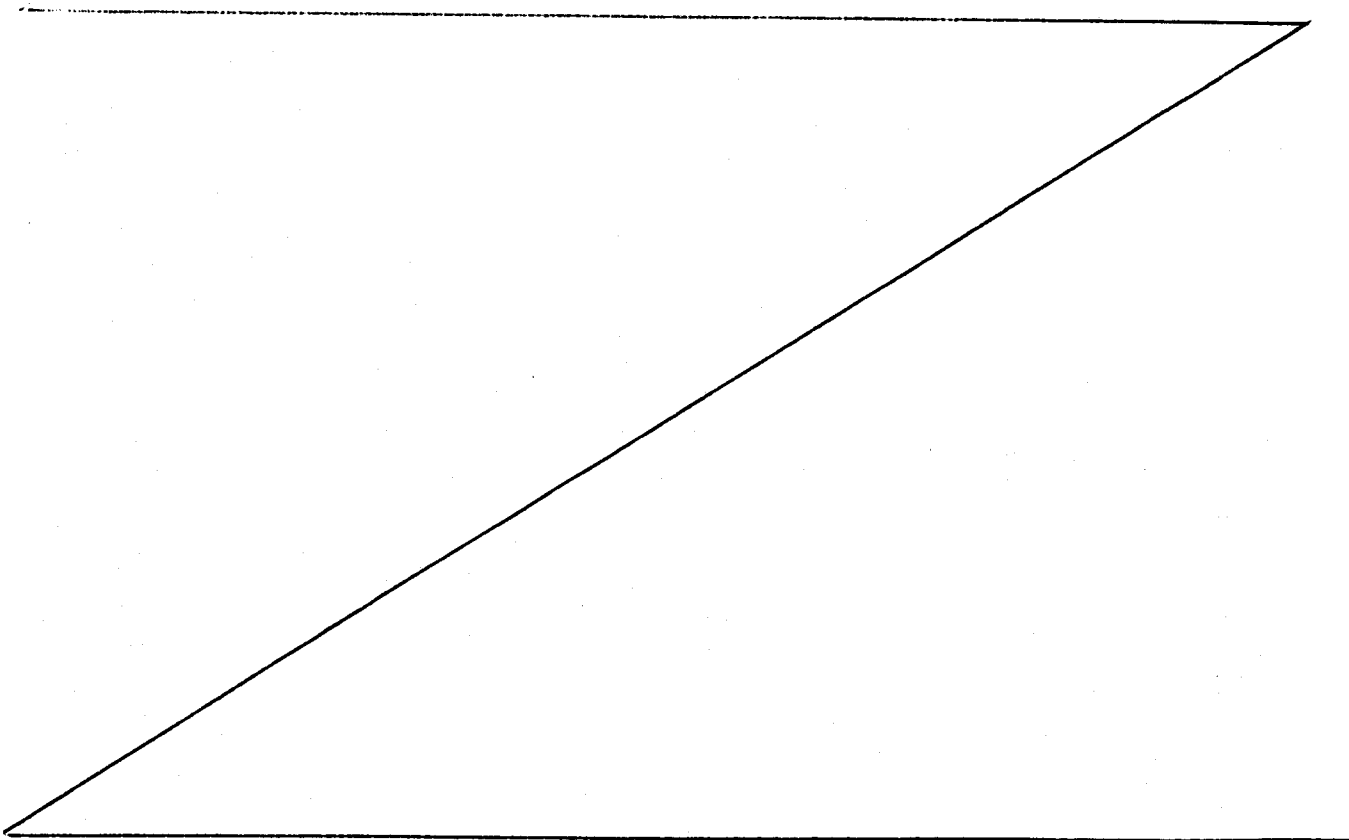
6. In accordance with the delegation of authority in Water Code Section 1435 (d), and the Board's adoption of Resolution 84-2, Board Chairman Maughan made findings and issued a Conditional Temporary Urgency Change Order on October 17, 1988 allowing a temporary change in point of diversion and point of rediversion of up to 126,500 acre-feet of water under the 13 permits listed above, subject to several specified conditions. We concur

in and incorporate herein by reference the findings set forth in the Order issued on October 17, 1988.

ORDER

IT IS HEREBY ORDERED THAT:

1. Issuance of the October 17, 1988 order by Board Chairman Maughan allowing a Conditional Temporary Urgency Change in the point of diversion and point of rediversion under Permits 11315, 11316, 11967, 11968, 11969, 11971, 11973, 12364, 12721, 12722, 12723, 12727 and 12860 is validated subject to the terms and conditions specified in the Order except as amended below.



2. Condition 3 of the October 17, 1988 order is amended to read:

3. Diversion or rediversion of water at SWP Banks under this Order is authorized beginning October 17, 1988 and continuing through March 31, 1989. This authorization shall be of no further force or effect on April 1, 1989.

#### CERTIFICATION

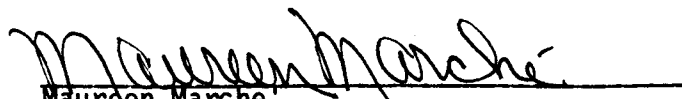
The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 2, 1988.

AYE:                W. Don Maughan  
                     Darlene E. Ruiz  
                     Eliseo M. Samaniego  
                     Danny Walsh

NO:                 None

ABSENT:            Edwin H. Finster

ABSTAIN:           None

  
Maureen Marche  
Administrative Assistant to the Board



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional )  
Temporary Urgency Change Order )  
On Permits 12721, 11967, 12722, 12723 )  
12727, 11315, 11316, 11968, 11969, )  
12860, 11971, 11973 and 12364 issued )  
pursuant to (Applications 5626, 5628, )  
9363, 9364, 9368, 13370, 13371, 15374, )  
15375, 15764, 16767, 17374 and 17376) )  
U.S. BUREAU OF RECLAMATION, )  
Permittee )

ORDER: WR 88- 5  
SOURCE: Old River  
COUNTY: Contra Costa

ORDER VALIDATING ISSUANCE OF CONDITIONAL  
TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION AND REDIVERSION

BY THE BOARD:

The U.S. Bureau of Reclamation (Bureau) having filed a petition for a Temporary Urgency Change in point of diversion and rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the State Water Resources Control Board (Board) having consulted with the U.S. Fish and Wildlife Service (Service), the Department of Fish and Game (DFG) and the Department of Water Resources (DWR); Chairman W. Don Maughan having concluded from available information that the Bureau qualifies for a Temporary Urgency Change and having issued a Conditional Temporary Urgency Change Order on March 14, 1988, subject to review and validation by the Board as provided by Water Code Section 1435 (d); the Board finds as follows:

Substance of the Proposed Change

1. The Bureau filed a petition with the Board on March 9, 1988 to add the State Water Project (SWP) Harvey O. Banks Pumping Plant (Banks Plant) as a temporary point of diversion and redirection in the Bureau permits set forth in Table 1, to pump (in March and April 1988) water to make up for diversions that will be curtailed to facilitate changes in flow regime requested by DFG and the Service as a part of operational studies during April and June 1988.

Table 1  
Water Right Applications and Permits Covered by  
The Petition for Temporary Urgency Change

<u>Application</u>	<u>Permit</u>
5626	12721
5628	11967
9363	12722
9364	12723
9368	12727
13370	11315
13371	11316
15374	11968
15375	11969
15764	12860
16767	11971
17374	11973
17376	12364

The petition requests that, in addition to the existing Central Valley Project (CVP) point of diversion and redirection specified in the permits, the permittee be allowed to divert or redirect water temporarily under said permits at the Clifton Court Forebay Intake of the Banks Plant at the following location:

California coordinates, Zone 3, N 486,035; E 1,695,057; within NW 1/4 of SE 1/4 of projected Section 20, T1S, R4E, MDB&M.

2. The petition requests that diversion and rediversion at the Banks Plant be authorized from March 14 through April 30, 1988 with the total amount diverted or rediverted in March and April not to exceed the quantity that otherwise could be made up in July and August, after the May and June curtailment required in Decision 1485, Condition 3. The petition also states that the quantity of make-up water pumped at the Banks Plant during July and August for the Bureau in accordance with Condition 3 would be reduced by the quantity pumped under the petitioned temporary urgency change, less the quantity of curtailment for the studies requested by DFG and the Service.

Reason for Change

3. Low flow conditions, expected in the spring of this dry water year, make it possible to conduct a series of experiments as part of operational studies (studies) to evaluate the effects of temperature and the operation of the Delta Cross Channel Gates on the survival of young Chinook (King) Salmon passing through the Sacramento-San Joaquin Delta (Delta).
4. To carry out these studies, both DWR and the Bureau have been asked to modify their normal operations to attain similar flow conditions at Rio Vista in April and June, with and without the Delta Cross Channel

Gates open. In order to achieve the flows with the Delta Cross Channel Gates closed, export water will need to be reduced for several days. The exact duration and magnitude of this curtailment is not yet known.

5. The Bureau expects to have insufficient capacity available through the Tracy Pumping Plant this spring to accommodate flow regime changes and pumping curtailments requested by DFG and the Service without depleting the storage in the Federal portion of San Luis Reservoir thereby requiring shortages to be imposed on CVP contractors.

#### Notice and Responses

6. Notice of the petition for a temporary urgency change was provided by publication and by mail to interested parties. The Board received responses from four interested parties; two supported the proposed change, one commented on the proposed change and one opposed the proposed change. DFG and the Service supported the change. East Contra Costa Irrigation District commented and sought assurance that there would be no provision in the order that would conflict with Paragraph 4 "Water Surface Elevation" of its contract with DWR. The California Sportfishing Protective Alliance (CSPA) listed seven objections. Objection number one was simply a statement of CSPA concerns about normal operation of the CVP and SWP. Number two alluded to CSPA objections to the Bay-Delta hearing process. Number three requests that the results of the current fishery studies be included in the records for the Bay-Delta hearings. Number four requested that the proposed studies include recommendations for the Board's determination under its public trust responsibilities. Number five addressed daily reporting requirements already included in the

Conditional Temporary Urgency Change Order signed by Chairman Maughan March 14, 1988. Number six asked Board staff to monitor the reporting requirements already included in conditions of the March 14, 1988 order. Number seven requested that DFG and the Service monitor and report any adverse impacts below various storage and diversion points in the CVP and SWP. The Board has considered the comments and objections and found that none of them raise issues necessitating a hearing, nor have any of the objectors shown that the proposed change would cause injury to any lawful user of water or would have an unreasonable effect upon fish, wildlife, or other instream beneficial uses.

#### Additional Findings

7. The proposed action is a series of operating experiments, data collection and resources evaluation activities which do not result in a serious or major disturbance to environmental resources.
8. The Chief, Division of Water Rights, is authorized to file a Notice of Exemption pursuant to Section 15306 of the State EIR Guidelines.
9. The permittee has a temporary urgent need to add the proposed point of diversion and rediversion at Banks Plant to pump replacement water for curtailments pursuant to DFG and the Service's operation studies in the Delta.

10. DWR staff has informed Board staff that it is willing and able to wheel the replacement water for the Bureau through the Banks Plant and the California Aqueduct to O'Neill Forebay.
11. The temporary urgency change validated by this order does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water and does not unreasonably affect fish, wildlife, and other instream beneficial uses.

Action by Board Chairman Maughan

12. In accordance with the authorization in Water Code Section 1435(d), the Board adopted Resolution 84-2 delegating authority to individual Board members to approve temporary changes on projects where no detrimental effects are anticipated.
13. In accordance with the delegation of authority in Resolution 84-2, Board Chairman Maughan issued a Conditional Temporary Urgency Change Order on March 14, 1988 allowing a temporary change to add the point of diversion and rediversion at Clifton Court Forebay under the permits listed in Table 1, subject to several specified conditions.

ORDER

1. IT IS HEREBY ORDERED THAT issuance of the March 14, 1988 order by Board Chairman Maughan allowing a Conditional Temporary Urgency Change in point of diversion and point of rediversion under Permit 12721 and 12 others is validated subject to the terms and conditions specified in the order.

2. IT IS FURTHER ORDERED THAT the quantity of make-up water pumped at the Banks Plant for the Bureau during July and August, 1988 pursuant to Decision 1485, Condition 3, shall be reduced by the quantity pumped under this temporary urgency change, less the quantity of the curtailment of pumping at the Tracy Pumping Plant for the April and June 1988 studies requested by DFG and the Service.

#### CERTIFICATION

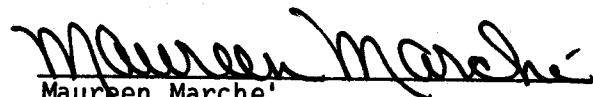
The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on April 6, 1988.

AYE: W. Don Maughan  
Edwin H. Finster  
Eliseo Saminego  
Danny Walsh

NO: none

ABSENT: Darlene E. Ruiz

ABSTAIN: None

  
Maureen Marche  
Administrative Assistant to Board

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional )  
Temporary Urgency Change Order )  
On Permits 12721, 11967, 12722, )  
12723, 12727, 11315, 11316, )  
11968, 11969, 12860, 11971, )  
11973, 12364 and 13776 )  
(Applications 5626, 5628, 9363, )  
9364, 9368, 13370, 13371, 15374, )  
15375, 15764, 16767, 17374, 17376 )  
and 18115) )  
U.S. BUREAU OF RECLAMATION, )  
Permittee )

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Order: WR 87- 12  
Source: Old River  
County: Contra Costa

ORDER VALIDATING CONDITIONAL  
TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION

BY THE BOARD:

The U.S. Bureau of Reclamation (Bureau) having filed a petition for a conditional temporary urgency change in point of diversion and redirection pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the Board having consulted with the U.S. Fish and Wildlife Service, the Department of Fish and Game and the Department of Water Resources (DWR); Chairman W. Don Maughan having concluded from available information that the Bureau qualifies for a temporary urgency change and having issued a conditional temporary urgency change order on October 20, 1987, subject to review and validation by the Board as provided by Water Code Section 1435(d); the Board finds as follows:



Substance of the Proposed Change

1. The Bureau filed a petition with the State Water Resources Control Board (Board) on October 14, 1987 to add the Harvey O. Banks Pumping plant (Banks Plant) operated by the Department of Water Resources (DWR) as a temporary point of diversion and redirection in the Bureau permits specified in Table 1 below to pump the amount of water foregone by changes in operation of the Central Valley Project requested by the Department of Fish and Game (DFG):

TABLE 1  
WATER RIGHT PERMITS COVERED BY  
THE PETITION FOR TEMPORARY URGENCY CHANGE

<u>Application</u>	<u>Permit</u>
5626	12721
5628	11967
9363	12722
9364	12723
9368	12727**
13370	11315
13371	11316
15374	11968
15375	11969
15764	12860*
16767	11971
17374	11973**
17376	12364
18115	13776

\* This permit allows diversion of water to storage in San Luis Reservoir.

\*\*These permits allow direct diversion of water only and cannot be used to place water into storage as requested in this petition.

The October 14, 1987 petition requests that, in addition to the existing point of diversion and redirection specified in the permits, the permittee be allowed to divert or redirect water temporarily under said permits at the Clifton Court Forebay Intake of the State Water Project, Harvey O. Banks Pumping Plant (Banks Plant) at the following location:

California Coordinates, Zone 3, North 486,035; East 1,695,057; being within the NW{ of SE{ of projected Section 20, T1S, R4E, MDB&M.

2. The petition for a temporary urgency change requests that diversion and redirection at the Banks Plant be authorized to pump the amount of water not to exceed 80,000 acre-feet (ac-ft), not exported because of certain changes in operation during October and November, 1987 requested by Department of Fish and Game (DFG).

#### Temporary Urgency Need

3. The Bureau's dry year contingency schedule of releases below Keswick Dam showed substantial reductions in flows of the Sacramento River later this fall to conserve reservoir storage. The scheduled reductions could have resulted in the stranding of spawning salmon and dewatering of a significant number of salmon spawning beds and spawned eggs by early November if no mitigation actions were taken.
4. On October 14, 1987, DFG requested the Bureau to reduce flow immediately in the Sacramento River below Keswick Dam from about 6,000 cubic feet per second (cfs) to about 4,500 cfs with an increase in the proportion of releases of cooler Trinity River water at Keswick Dam to improve and

maintain more stable minimum flows favorable to spawning conditions in the Sacramento River during the period October 15, through about November 30, 1987. The Bureau complied with this request immediately. The result of compliance is a reduction in the total quantity of water the Bureau can divert or redivert through the Delta at its diversion facilities near Tracy without a temporary permit change.

5. The DFG also requested curtailment of diversion at the Bureau's Tracy Pumping Plant for improved passage of outmigrating yearling salmon from the DFG Merced River spawning channel between October 24, 1987 and November 3, 1987.
6. The Bureau expects to have insufficient capacity available through the Tracy Pumping Plant later this water year to make up for the flow reductions requested by DFG (about 80,000 ac-ft), if runoff this year is normal or above.
7. The requested modification of flows below Keswick Dam and curtailment of pumping at Tracy for Merced River yearly salmon passage will reduce the amount of stored water being transferred by the Bureau from storage north of the Delta to San Luis Reservoir south of the Delta.

#### Notice and Response

8. Notice of the petition for temporary urgency change was provided by publication in the Contra Costa Times October 26, 1987 and by mail to interested parties. The Board received a written objection from Contra Costa County Water Agency (Contra Costa) on November 12, 1987, two days after the objection period ended.

9. Contra Costa pointed out that the current water year may be classified as "dry" and alleged that redirection of CVP storage releases out of the Delta may jeopardize the ability of the CVP to maintain adequate salinity control in the Delta later in the water year. The order approving a temporary urgency change allows either diversion or redirection of an amount by which diversions at the Bureau Tracy Pumping Plant are reduced during the period of October 15 through November 30 pursuant to the DFG request. The Bureau has advised that as of October 12, 1987, the amount allowed under the accounting procedure in Term 4 of the October 20, 1987 order will be about 8,500 acre-feet. The reduced amounts of the replacement pumping and the option to use direct diversion for replacement over a three-month period of time makes it apparent that the deferral of pumping will, in fact, enhance the Bureau's capacity to meet Delta salinity standards in 1988.
10. Contra Costa also expressed concern that the petition is an "end run" around the EIR requirement for the earlier 80,000 acre-feet trial transfer and that there could be environmental or other impacts that are not addressed in the petition filed by the Bureau. The present action is not an "end run" around applicable CEQA requirements because the proposed trial transfers would allow additional exports from the Delta in a given water year, whereas the present action would allow no such increase. Approval of the present temporary urgency change would simply authorize a shift in monthly export amounts in an environmentally beneficial manner. Board

staff has reviewed the potential impacts of the proposed action and on October 21, 1987 filed a Notice of Exemption pursuant to Section 15307 of the State EIR Guidelines.

Other Findings by the Board

11. The proposed action is an urgent measure that will reduce adverse temperature effects on salmon spawning due to unusually dry conditions and will result in improved habitat conditions in the Sacramento River below Keswick Dam by maintaining moderate flows until after the spawned salmon eggs hatch and emerge as fry.
12. Having considered the objection of Contra Costa, the Board concludes it does not raise issues requiring a hearing, nor does it present any evidence to indicate that the proposed change would cause injury to any lawful user of water or have unreasonable effects upon wildlife or other instream beneficial uses.
13. The proposed reductions in pumping at the Tracy Plant will have a secondary benefit in facilitating the outmigration of yearling salmon scheduled for release from the DFG Merced River Spawning Channel on October 19, 1987. Pumping at the Tracy Plant will be curtailed October 24 through November 3 to create more favorable conditions in the Southern Delta for passage of the yearling salmon.
14. The Chief of the Division of Water Rights is authorized to file a Notice of Exemption pursuant to Section 15307 of the State EIR Guidelines.
15. Permits 12727 and 11973 (Applications 9368 and 17374) allow direct diversion of water only and cannot be used to place water into storage.

16. The permittee has a temporary urgent need to add the proposed point of diversion and rediversion at DWR's Banks Pumping Plant to replace water which would normally be transferred between October 15 and about November 30 from reservoirs north of the Delta to storage in San Luis Reservoir for subsequent delivery to water users under existing contracts.
17. DWR staff has informed Board staff that DWR is willing to wheel the replacement water for the Bureau through the Banks Plant and the California Aqueduct to storage in San Luis Reservoir.
18. The Bureau submitted an accounting procedure pursuant to Term 4 of the October 20, 1987 order and the Board finds that the procedure is satisfactory.
19. The temporary urgency change validated by this order does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water and does not unreasonably affect fish, wildlife or other instream beneficial uses. The temporary urgency change validated by this order is in the public interest and will further the constitutional policy to maximize the beneficial use of water.

Action by Board Chairman Maughan

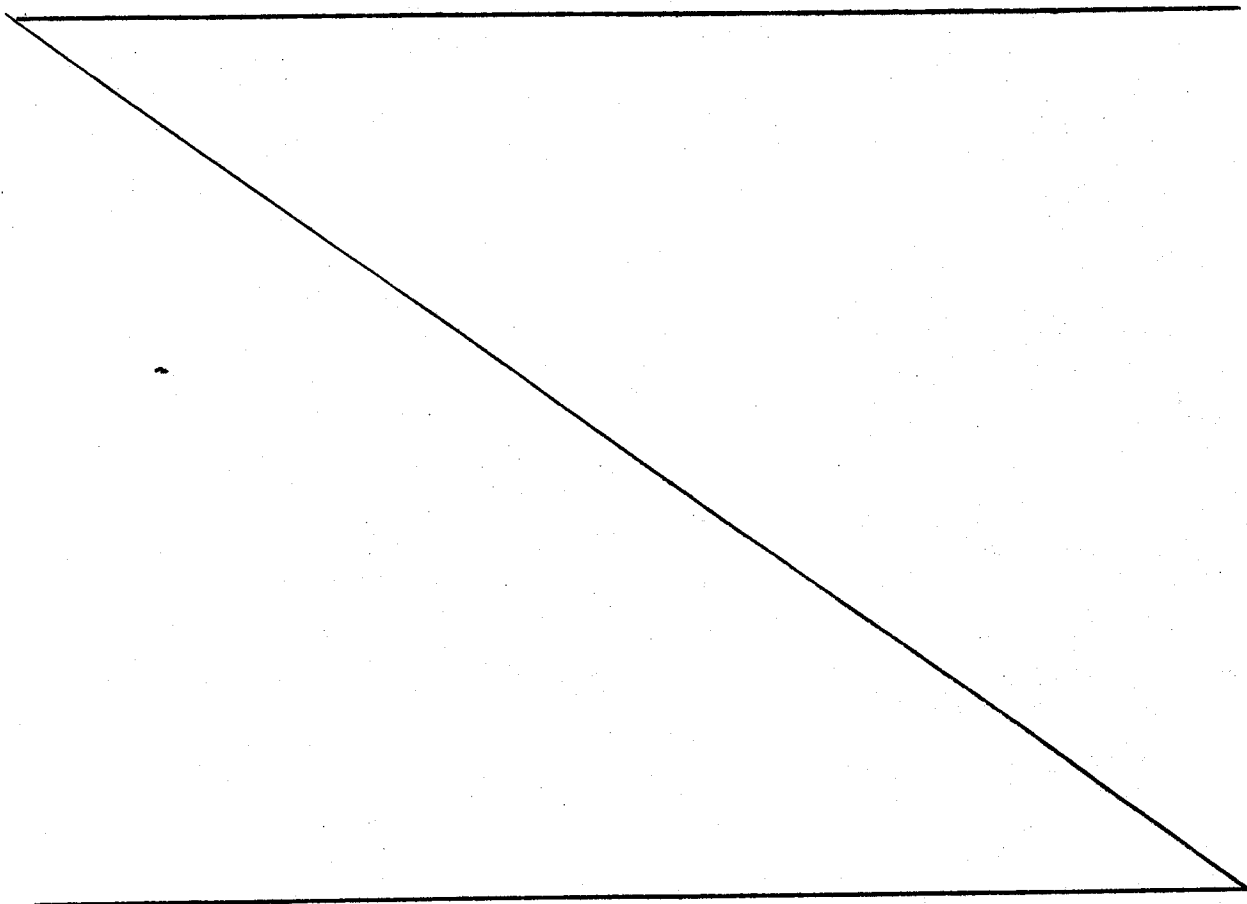
20. In accordance with the authorization in Water Code Section 1435(d), the Board adopted Resolution 84-2 delegating authority to individual Board members to approve temporary changes on projects where no detrimental effects are anticipated.
21. In accordance with the delegation of authority in Resolution 84-2, Board Chairman Maughan issued a conditional temporary urgency change order on

October 20, 1987 allowing a temporary change in the point of diversion at Clifton Court Forebay under Permit 12860 subject to several specified conditions.

ORDER

IT IS HEREBY ORDERED THAT:

1. The issuance of the October 20, 1987 order by Board Chairman Maughan allowing a conditional Temporary Urgency Change in point of diversion and point of redirection under Permit 12721 and 10 others is validated subject to the terms and conditions specified in the order except as corrected below.



2. Condition 1. b. of the order is corrected to read as follows:

Rediversion of releases of stored water to storage in San Luis Reservoir under Permits 12721, 11967, 12722, 12723, 11315, 11316, 11968, 11969, 11971, 12364, and 13776 (Applications 5626, 5628, 9363, 9364, 13370, 13371, 15374, 15375, 16767, 17376 and 18115).

#### CERTIFICATION

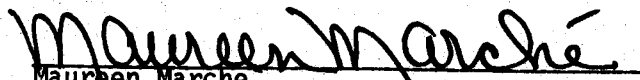
The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of State Water Resources Control Board held on November 17, 1987.

Aye: W. Don Maughan  
Darlene E. Ruiz  
Edwin H. Finster  
Danny Walsh  
Eliseo M. Samaniego

No: None

Absent: None

Abstain: None

  
Maureen Marche  
Administrative Assistant to the Board



STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Conditional )  
Temporary Urgency Change Order )  
On Permit 12860 )  
(Application 15764) )  
U.S. BUREAU OF RECLAMATION, )  
Permittee )  
\_\_\_\_\_ )

ORDER: WR 87 - 10  
SOURCE: Old River  
COUNTY: Contra Costa

ORDER VALIDATING AND MODIFYING ISSUANCE OF CONDITIONAL  
TEMPORARY URGENCY CHANGE  
IN POINT OF DIVERSION

BY THE BOARD:

The U.S. Bureau of Reclamation (Bureau) having filed a petition for a conditional temporary urgency change in point of diversion and rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the Board having consulted with the U.S. Fish and Wildlife Service, the Department of Fish and Game and the Department of Water Resources (DWR); Chairman W. Don Maughan having concluded from available information that the Bureau qualifies for a temporary urgency change and having issued a conditional temporary urgency change order, subject to review and validation by the Board as provided by Water Code Section 1435; the Board finds as follows:

Substance of the Proposed Change

1. On July 27, 1987, the Bureau filed a petition for a temporary urgency change in the point of diversion under the 13 water right permits specified in Table 1 Below:

Table 1  
Water Right Permits Covered by  
The Petition For Temporary Urgency Change

<u>Application</u>	<u>Permit</u>
5626	12721*
5628	11967*
9363	12722*
9364	12723*
9368	12727**
13370	11315*
13371	11316*
15374	11968*
15375	11969*
15764	12860
16767	11971*
17374	11973**
17376	12364*

\*These permits allow redirection of water stored north of the Delta to use or to storage in San Luis Reservoir (redirection) using the permittee's Tracy Pumping Plant and the Delta Mendota Canal.

\*\*These permits allow direct diversion of water only and cannot be used to place water into storage.

The July 27, 1987 petition requests that, in addition to the existing point of diversion and redirection specified in the permits, the permittee be allowed to divert or redirect water temporarily under said permits at the Clifton Court Forebay Intake of the State Water Project, Harvey O. Banks Pumping Plant (Banks Plant) at the following location:

California Coordinates, Zone 3, N 486,035; E 1,695,057;  
within NW $\frac{1}{4}$  of SE $\frac{1}{4}$  of projected Section 20, T1S, R4E, MDB&M.

2. The petition for a temporary urgency change requests that the diversion and rediversion at the Banks Plant be authorized from September 1, 1987 to April 30, 1988 with the total amount diverted or rediverted not to exceed 10,000 acre-feet (ac-ft) for use at Kern National Wildlife Refuge (Kern NWR). Subsequent correspondence from Kern NWR reduced that amount to 6,200 ac-ft.

Temporary Urgency Need

3. The urgent need to utilize facilities of the State Water Project (SWP) arises as a result of the Kern NWR requirement for 6,200 ac-ft of water for waterfowl habitat which, due to unusually dry conditions, is not available from the normal sources of surface water supply previously used by the refuge.
4. Petitioner states that this action is needed to provide important wintering migratory waterfowl habitat on the refuge and that no substitute supply is available. Marsh habitat in the Central Valley of California is in critically short supply and flooding this fall is urgently needed to support Pacific Flyway waterfowl. The water to be applied to Kern NWR is especially important to produce wildlife food crops and to make this food available to waterfowl during the winter period. The proposed action of applying good quality water for wetland habitat at Kern NWR will provide a direct benefit to migratory waterfowl. Wetland habitat values will be greatly restricted if the water is not delivered. The proposed action will also assist the U.S. Fish and Wildlife Service in carrying out its responsibilities for management of migratory bird resources.

## Notice and Responses

5. Notice of the petition for a temporary change was provided by publication and by mail to interested parties. The Board received responses from eight interested parties; three supported the proposed change, three commented on the proposed change and two opposed the proposed change.
6. Contra Costa Water Agency objects to the proposed change based on the contention that there is insufficient justification and contends no "urgency" for the change exists, as required by statute. As explained in the preceeding paragraphs, however, there is sufficient evidence for the Board to conclude that there is an urgent need to approve the change in order to maintain waterfowl habitat under the unusually dry conditions existing this year.
7. Central Delta Water Agency and Conrad Sylva joined in an objection to the proposed change based on alleged adverse effects to "water levels and water quality." No explanation is provided regarding the "water levels" contention. With respect to water quality, the Board finds that Delta water quality will be adequately protected by the provision of Chairman Maughan's September 11, 1987 order which effectively restricts diversion of water under the temporary urgency change to times when Delta outflow exceeds the amount required to meet the water quality standards established by Decision 1485.<sup>1</sup>

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<sup>1</sup> The change order restricts diversion to times when the Delta "is not in a balanced condition". The Delta is said to be in balanced conditions when Delta inflow is just sufficient to satisfy Delta consumptive use, Delta and Suisun Marsh water quality standards, CVP & SWP water quality objectives at their export facilities in the Southern Delta and Delta export demands. When Delta inflow is in excess of these demands the Delta is not in balanced conditions.

8. The Board has considered the comments and objections and found that none of them raise issues necessitating a hearing, nor have any of the objectors shown that the proposed change would cause injury to any lawful user of water or have unreasonable effect upon fish, wildlife, or other instream beneficial uses.

Other Findings by the Board

9. Permits 12727 and 11973 (Application 9368 and 17374) allow direct diversion of water only and cannot be used to place water into storage.
10. Permits 12721, 11967, 12722, 12723, 11315, 11316, 11968, 11969, 11971 and 12364 (Applications 5626, 5628, 9363, 9364, 13370, 13371, 15374, 15375, 16767 and 17376) allow rediversion of stored water to use or to restorage in San Luis Reservoir through the permittee's Tracy Pumping Plant.
11. Permit 12860 (Application 15764) allows diversion at the permittee's Tracy Pumping Plant to storage in San Luis Reservoir.
12. DWR staff has informed Board staff that DWR is willing to wheel the replacement water for the Bureau through the Banks Plant and the California Aqueduct to storage in San Luis Reservoir.
13. The temporary urgency change as approved in this order does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water and does not unreasonably affect fish, wildlife or other instream beneficial uses.
14. The proposed action is an emergency measure under CEQA that will avoid adverse effects on wildlife habitat and wildlife due to unusually dry conditions.

Action by Board Chairman Maughan

15. In accordance with the authorization in Water Code Section 1435(d), the Board adopted Resolution 84-2 delegating authority to individual Board members to approve temporary changes on projects where no detrimental effects are anticipated.
16. In accordance with the delegation of authority in Resolution 84-2, Board Chairman Maughan issued a conditional temporary urgency change order on September 11, 1987 allowing a temporary change in the point of diversion at Clifton Court Forebay under Permit 12860 subject to several specified conditions.

ORDER

IT IS HEREBY ORDERED THAT:

1. Issuance of the September 11, 1987 order by the Board Chairman Maughan allowing a conditonal Temporary Urgency Change in point of diversion and point of rediversion under Permit 12860 is validated subject to the terms and conditions specified in the order as revised herein.

2. Condition 2 of the order is corrected to read as follows:

Use of Clifton Court Forebay and the Banks Plant to transfer (redivert) stored water into San Luis Reservoir under Permits 12721, 11967, 12722, 12723, 11315, 11316, 11968, 11969, 11971 and 12364 (Application 5626, 5628, 9363, 9364, 13370, 13371, 15374, 15375, 16767 and 17376) is not authorized under this temporary urgency change.

3. Condition 3 of the order is modified to read as follows:

Diversion of water at the Banks Pumping Plant under this order is authorized beginning November 1, 1987 and continuing until 6,200 ac-ft are delivered to San Luis Reservoir or until March 10, 1988, whichever occurs first and shall then be of no further force or effect unless extended by the Board prior to that event.

4. Condition 10 of the order is updated to read as follows:

Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to: (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest and is necessary to preserve or restore the uses protected by the public trust.

#### CERTIFICATION

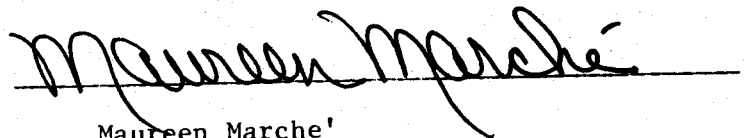
The undersigned, Administrative Assistant to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on October 8, 1987.

Aye: W. Don Maughan  
Darlene E. Ruiz  
Edwin H. Finster

No: None

Absent: Danny Walsh  
Eliseo M. Samaniego

Abstain: None



Maureen Marche'  
Administrative  
Assistant to Board



PERMIT NO. 12727

APPLICATION NO. 9368

SEE DECISION 1485 ISSUED 8-16-78

*Order 78-17, 10-13-78*

P 12727

STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER RIGHTS  
ORDER ALLOWING TEMPORARY URGENCY CHANGE  
IN POINTS OF DIVERSION AND POINTS OF REDIVERSION

PERMITS 12721, 11967, 12722, 12723, 12727, 11315, 11316, 11968, 11969, 12860, 11971, 11973, 12364 AND 13776 (APPLICATIONS 5626, 5628, 9363, 9364, 9368, 13370, 13371, 15374, 15375, 15764, 16767, 17374, 17376 AND 18115) United States Bureau of Reclamation, Permittee

WHEREAS:

1. The United States Bureau of Reclamation (Bureau) has filed a petition for a temporary urgency change in the points of diversion and rediversion authorized in the above permits.
2. In accordance with the authorization of Water Code Section 1435, the Board has adopted Resolution No. 84-2 delegating authority to an individual Board member to approve temporary urgency changes where no detrimental effects are indicated.
3. The temporary change will allow the Bureau to use the State Water Project Harvey O. Banks Pumping Plant to place 12,800 acre-feet of water into storage in San Luis Reservoir.
4. Permits 12727 and 11973 (Applications 9368 and 17374) allow direct diversion of water only.
5. Permits 12721, 11967, 12722, 12723, 11315, 11316, 11968, 11969, 11971, 12364 and 13776 (Applications 5626, 5628, 9363, 9364, 13370, 13371, 15374, 15375, 16767, 17376 and 18115) allow transfer of stored water to storage in San Luis Reservoir at the permittee's Tracy Pumping Plant.
6. Permit 12860 (Application 15764) allows diversion at the permittee's Tracy Pumping Plant to storage in San Luis Reservoir.
7. Board staff has contacted the Department of Fish and Game who stated that the proposed temporary urgency change would not unreasonably affect fish and wildlife.
8. The staff of the Department of Water Resources has informed the Board that the Department is willing to pump water for the Bureau through the Banks Pumping Plant in the Southern Delta.
9. The temporary urgency change requested in the petition does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water and does not unreasonably affect fish, wildlife or other instream beneficial uses.

10. The permittee has a temporary but urgent need for the proposed change in order to protect the public welfare as set forth in Section 1435 of the Water Code.
11. An environmental analysis has shown that the project consists of the operation of an existing public facility involving negligible or no expansion of use beyond that previously existing and that no significant environmental impacts will result.

NOW, THEREFORE, IT IS ORDERED THAT:

1. The permittee may temporarily divert or redivert water to storage in San Luis Reservoir at California Intake of the Banks Pumping Plant at the following location:

California Coordinates, Zone 3, N 486,035;  
E 1,695,057; within NW 1/4 of SE 1/4  
of projected Section 20, T1S, R4E, MDB&M.

under the following permits:

- a) Diversion to storage in San Luis Reservoir under Permit 12860 (Application 15764).
  - b) Rediversion to transfer stored water to San Luis Reservoir under Permits 12721, 11967, 12722, 12723, 11315, 11316, 11968, 11969, 11971, 11973 12364 and 13776 (Applications 5626, 5628, 9363, 9364, 13370, 13371, 15374, 15375, 16767, 17374, 17376 and 18115)
2. The temporary urgency change shall be effective for a period starting September 19, 1985 and ending October 15, 1985. At the end of this period, this authorization shall be of no further force and effect.
  3. The total quantity of water diverted under this temporary urgency change shall not exceed 12,800 acre-feet.
  4. The maximum combined rate of diversion and rediversion under these permits from both the Banks Pumping Plant and the Tracy Pumping Plant shall not exceed 4,600 cubic feet per second.
  5. The Bureau shall report to the State Water Resources Control Board by November 1, 1985, the daily combined diversion of the Tracy Pumping Plant and that portion of the diversion of the Banks Pumping Plant made under this change order. The report shall also contain the total acre-feet diverted at the Banks Pumping Plant under this change order.
  6. This temporary urgency change will be presented to the Board for review at its next regular meeting. Should the Board fail or refuse to validate the temporary urgency change, it shall stand revoked as of the date of said Board meeting and shall be of no further force and effect.

7. This temporary urgency change is issued and permittee takes it subject to the California Water Code, Division 2, Chapter 6.6, Section 1435 et seq. This temporary urgency change order shall not result in creation of a vested right, even of a temporary nature, but shall be subject at all times to modification or revocation at the discretion of the Board.
8. The Board shall supervise the use of water under the temporary urgency change order for the protection of vested rights and instream beneficial uses and for compliance with change order conditions.
9. The Chief of the Division of Water Rights is authorized to File a Notice of Exemption pursuant to Section 15301 of the State EIR Guidelines.
10. Pursuant to California Water Code Sections 100 and 275, all rights and privileges under this temporary urgency change order, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion.  
  
The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this temporary urgency change order with a view to minimizing waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source.
11. Except as expressly provided herein, all terms and conditions of these permits shall remain in effect.

Dated: September 19, 1985



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Edwin H. Finster  
Board Member

A-5626

U. S. Bureau of Reclamation  
2800 Cottage Way, MP 710  
Sacramento, CA 95813

Department of Water Resources  
1416 Ninth Street  
Sacramento, CA 95814

Department of Fish and Game  
1416 Ninth Street  
Sacramento, CA 95814

Tom Graff  
Environmental Defense Fund  
2606 Dwight Way  
Berkeley, CA 94704

P12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Temporary Urgency	)	ORDER: 85- 8
Change Order Regarding Permit 12721	)	
(Application 5626) and 13 other Permits)	)	
U. S. BUREAU OF RECLAMATION,	)	SOURCE: Various sources
	)	
Permittee	)	COUNTIES: Alameda, Sacramento, Shasta, Trinity

ORDER VALIDATING ISSUANCE OF  
TEMPORARY URGENCY CHANGE ORDER

BY THE BOARD:

The U. S. Bureau of Reclamation (Bureau) having filed a petition for a temporary urgency change in point of diversion and point of rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the Board having consulted with the Department of Water Resources and the Department of Fish and Game; Board Member Finster having concluded from available information that the Bureau qualifies for a temporary urgency change and having issued a temporary urgency change order, subject to review and validation by the Board as provided by Water Code Section 1435; the Board finds as follows:

Substance of the Proposed Change

1. On August 30, 1985, the Bureau filed a petition for a temporary urgency change in the point of diversion and point of rediversion under the 14 water right permits specified in Table I below:

TABLE I  
WATER RIGHT PERMITS COVERED BY  
THE PETITION FOR TEMPORARY URGENCY CHANGE

<u>Application</u>	<u>Permit</u>
5626	12721
5628	11967
9363	12722
9364	12723
9368	12727
13370	11315
13371	11316
15374	11968
15375	11969
15764	12860
16767	11971
17374	11973
17376	12364
18115	13776

The petition requests that, in addition to the points of diversion and rediversion specified in the permits, the permittee be allowed to divert or redivert water temporarily under said permits at the California Aqueduct Intake for the Banks Pumping Plant at the following location:

California Coordinates, Zone 3, N486,035; E 1,695,057; within  
NW 1/4 of SE 1/4 of projected Section 20, T1S, R4E, MDB&M.

2. The petition for a temporary urgency change requests that the diversion and rediversion at the Banks Pumping Plant be authorized from September 1, 1985 or when approved by the Board to October 15, 1985 with the total amount diverted or rediverted not to exceed 12,800 acre-feet of water into storage in San Luis Reservoir.

#### Temporary Urgency Need

The urgent need to utilize facilities of the State Water Project is due to the fact that this year has been classified as a dry year under the Four-Basins Index. This fact along with certain unavoidable operational outages on the Federal facilities for transporting water to San Luis Reservoir, has resulted in the Federal portion of San Luis Reservoir storage to be the lowest since the 1977 drought and the 1981 slide on the San Luis Reservoir Dam. Normal Central Valley Project procedure is to maintain a minimum storage of 250,000 acre-feet on September 1 in the Federal portion of San Luis Reservoir storage. Use of the State's Banks Pumping Plant will allow the Federal project to place 12,800 acre-feet more water into storage in the San Luis Reservoir to aid in meeting this objective and the normal demands in the coming water year.

#### California Environmental Quality Act

4. An environmental analysis has shown that the project consists of the operation of an existing public facility involving negligible or no expansion of use beyond that previously existing and that no significant environmental impacts will result.

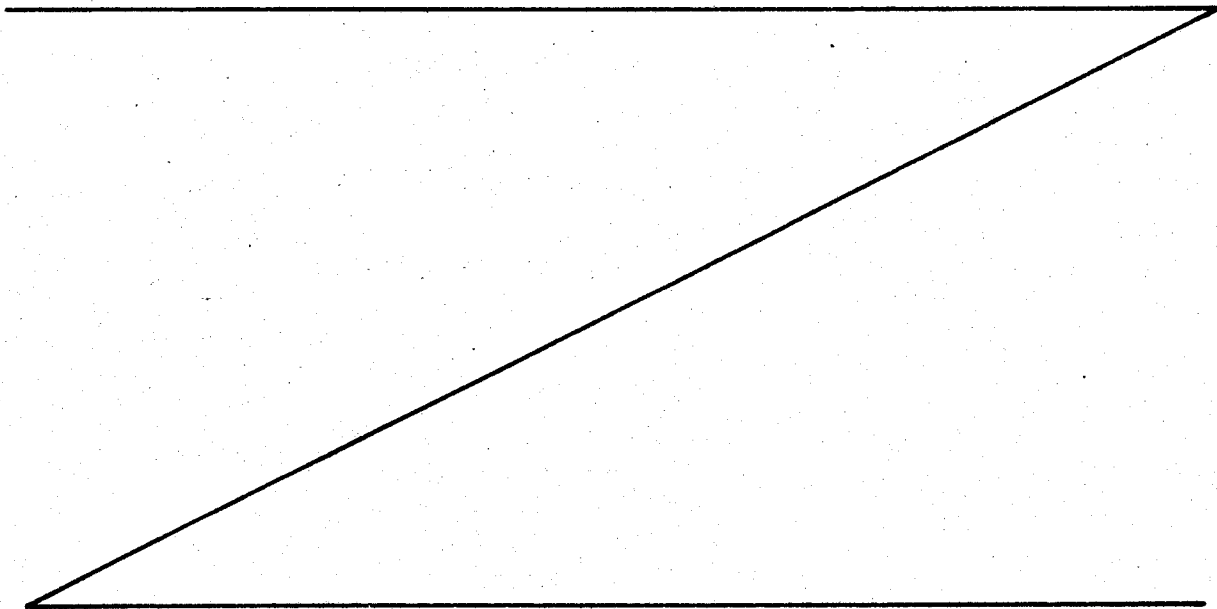


Action by Board Member Finster

5. In accordance with the authorization of Water Code Section 1435, the Board has adopted Resolution 84-2 delegating authority to an individual Board member to approve temporary changes on projects where no detrimental effects are indicated. Water Section 1435(b) requires the Board, at its next regular meeting, to review and validate any change order issued by an employee.

6. In accordance with the delegation of authority in Resolution 84-2, Board Member Finster issued a change order allowing a temporary change in the point of diversion and point of redirection, subject to several specified conditions.

7. The Board concurs with the findings of Board Member Finster as specified in the order dated September 19, 1985.



NOW, THEREFORE, IT IS ORDERED that issuance of the order allowing a temporary urgency change in point of diversion and point of redirection for the permits listed in Table 1 except Permits 12727 and 11973 which are for direct diversion of water only, is validated subject to the terms and conditions specified in the order.

#### CERTIFICATION

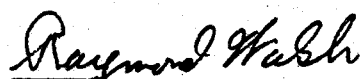
The undersigned, Executive Director of the State Water Resources Control Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on October 17, 1985.

Aye:        Raymond V. Stone  
             Darlene E. Ruiz  
             E. H. Finster  
             Eliseo M. Samaniego

No:         None

Absent:     None

Abstain:    None

  
\_\_\_\_\_  
Raymond Walsh  
Interim Executive Director

P12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD

In the Matter of Temporary Urgency )  
Change Order Regarding Permit 12721 )  
(Application 5626) and 10 other Permits)

U. S. BUREAU OF RECLAMATION, )  
Permittee )

ORDER: WR 85-10

SOURCE: Various sources

COUNTIES: Alameda, Sacramento,  
Shasta, Trinity

ORDER MODIFYING AND REISSUING  
TEMPORARY URGENCY CHANGE IN  
POINT OF DIVERSION AND REDIVERSION

BY THE BOARD:

The U. S. Bureau of Reclamation (Bureau) having filed a petition for a temporary urgency change in point of diversion and rediversion pursuant to Chapter 6.6 (commencing with Section 1435), Part 2, Division 2 of the Water Code; the Board having consulted with the Department of Water Resources (DWR) and the Department of Fish and Game (DFG); Board Member Ruiz having concluded from available information that the Bureau qualifies for a temporary urgency change and having issued a temporary urgency change order, subject to review and validation by the Board as provided by Water Code Section 1435; the Bureau having submitted a petition requesting modification of the order; the Board having duly considered the petition for a temporary urgency change, the petition requesting a modification and other related information; the Board finds as follows:

Substance of the Proposed Change

1. On October 2, 1985, the Bureau filed a petition for a temporary urgency change in the point of diversion and redirection under the 11 water right permits specified in Table I below:

TABLE I  
WATER RIGHT PERMITS COVERED BY  
THE PETITION FOR TEMPORARY URGENCY CHANGE

<u>Application</u>	<u>Permit</u>
5626	12721
5628	11967
9364	12723
9368	12727*
13370	11315
15375	11969
15764	12860**
16767	11971
17374	11973*
17376	12364
18115	13776

\*Permits 12727 and 11973 allow direct diversion of water only and cannot be used to place water into storage at San Luis Reservoir under this petition.

\*\*Permit 12860 allows diversion of water at Permittee's Tracy Pumping Plant for storage in San Luis Reservoir.

The October 2, 1985 petition requests that, in addition to the points of diversion and redirection specified in the permits, the permittee be allowed to divert or redirect water temporarily under said permits at the California Aqueduct Intake for the Banks Pumping Plant at the following location:

California Coordinates, Zone 3, N486,035; E 1,695,057; within  
NW 1/4 of SE 1/4 of projected Section 20, T1S, R4E, MDB&M.

2. The petition for a temporary urgency change requests that the diversion and rediversion at the Banks Pumping Plant be authorized from October 18, 1985 to April 15, 1986 with the total amount diverted or rediverted not to exceed 50,000 acre-feet for use in duck ponds on State, federal and private lands.

Temporary Urgent Need

3. The urgent need to utilize facilities of the State Water Project (SWP) arises as a result of federal and State wildlife management agencies and private duck clubs in the Grasslands area deciding not to use agricultural drainage water this season on duck ponds which may be contaminated with excessive amounts of selenium.

4. Agricultural drainage water supplies to the State and federal wildlife areas have experienced dramatic increases in selenium levels. These increases have resulted from the bypass of drainage water by upstream duck clubs in the south Grasslands area. In the past, the south Grasslands clubs have accepted drainage water. The marsh habitat in the clubs effectively removed large quantities of selenium. Because of the recent knowledge concerning bioaccumulation of selenium, the south Grasslands clubs have opted to bypass agricultural drainage flows. Therefore, the historic removal of selenium by the south Grasslands area is no longer taking place and the selenium content downstream is higher than in previous years.

5. The 1985 fall waterfowl migration season has started. The only alternate source of water available to the State and federal wildlife management agencies is from the Delta Mendota Canal. Approximately 28,000 acre-feet of the additional Central Valley Project (CVP) water is proposed for use in duck ponds on the federal and State lands. The remaining 22,000 acre-feet was requested

for use in duck ponds on private lands. A condition of any private lands receiving water is that they first use any uncontaminated supply available to them.

6. Existing commitments for CVP water deliveries require replacement of the capacity used to deliver water for the duck ponds prior to the 1986 irrigation season. Replacement is proposed by using the SWP Banks Pumping Plant and the California Aqueduct to wheel an equivalent amount of water to O'Neill Forebay for storage in the federal portion of San Luis Reservoir under the Bureau's water rights. The wheeling will not commence until November 15, 1985, and will be completed by March 1, 1986, in order to minimize any adverse effects to the Delta fishery and irrigation. The extended period of replacement was requested so that the capacity available at the Banks Pumping Plant may be more economically used and to provide a margin of safety if either plant should be down for any length of time prior to replacement. The Board finds that emergency conditions exist within the meaning of Water Code Section 1435(c) which require immediate action by the petitioner to protect the public health and welfare.

#### Notice and Responses

7. Notice of the petition for a temporary change was provided by publication and by mail to interested parties. The Board received responses from nine interested parties, five of which supported the proposed change, one of which conditionally supported the proposed change, and three of which opposed the proposed change. The Board has considered the objections and finds that none of the objections have raised issues necessitating a hearing, nor have any of the objections shown that the proposed change would cause injury to any lawful user of water or have unreasonable effect upon fish, wildlife, or other instream beneficial uses.

Other Findings by the Board

8. Permits 12727 and 11973 (Applications 9368 and 17374) allow direct diversion of water only and cannot be used to place water into storage.
9. Permits 12721, 11967, 12723, 11315, 11969, 11971, 12364 and 13776 (Applications 5626, 5628, 9364, 13370, 15375, 16767, 17376 and 18115) allow transfer of stored water to San Luis Reservoir through the permittee's Tracy Pumping Plant.
10. Permit 12860 (Application 15764) allows diversion at the permittee's Tracy Pumping Plant to storage in San Luis Reservoir.
11. Board staff has consulted with representatives of the Department of Fish and Game who stated that the proposed temporary urgency change would not unreasonably affect fish and wildlife.
12. The staff of DWR has informed the Board that DWR is willing to pump water for the Bureau through the Banks Pumping Plant in the southern Delta and the California Aqueduct for storage in San Luis Reservoir.
13. The temporary urgency change as approved in this order does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water and does not unreasonably affect fish, wildlife or other instream beneficial uses.
14. The permittee has a temporary but urgent need for the proposed change in order to protect the public health and welfare as set forth in Section 1435 of the Water Code.

15. A staff analysis has shown that the proposed action will assure the maintenance of waterfowl areas in a safe and healthful condition for waterfowl and not result in significant adverse environment impacts.

Action by Board Member Ruiz

16. In accordance with the authorization of Water Code Section 1435, the Board has adopted Resolution 84-2 delegating authority to individual Board members to approve temporary changes on projects where no detrimental effects are anticipated.

17. In accordance with the delegation of authority in Resolution 84-2, Board Member Darlene Ruiz issued a change order on October 25, 1985 allowing a temporary change in the point of diversion and redirection, subject to several specified conditions.

Action by the Permittee

18. In a letter delivered October 30, 1985, the Bureau requested "...that the October 25, 1985 Order Allowing Temporary Urgency Change in Point of Diversion and Rediversion be modified by: (1) changing paragraph 3 of the Order to reflect a reduction in the quantity of water to be diverted from 50,000 to 28,000 acre-feet; (2) clearly stating that the 28,000 acre-feet of water made available by this Order will be delivered solely to state and federal wildlife refuges and management areas in the West Grasslands area to alleviate emergency water shortage conditions existing on these lands; and (3) eliminating conditions 7, 8 and 9 from the Order."



Board Findings Based on Requested Modification to October 25 Order

19. On October 31, 1985, Board staff contacted the managers of the State and federal wildlife areas and Central Valley Regional Water Quality Control Board staff to discuss the modifications proposed by the Bureau. The area managers presented information demonstrating that these wildlife areas have historically received water generally low in selenium concentrations. They stated that the water draining from the wildlife areas will also be low in selenium (less than 5 ppb and likely less than 2 ppb). Regional Board staff confirmed these statements and expressed their belief that leaching of salts or boron will be insignificant. Also the area managers stated that their experience shows the clay soils and surrounding water table in these areas limit seepage from the ponds to extremely low rates.

20. State Board staff will report to the Board on the water quality in the State and federal wildlife areas receiving water by virtue of this permit. This report will be made prior to the discharge of this water to the San Joaquin River system. The report will contain data on selenium, boron, electrical conductivity and molybdenum.

21. On October 31, 1985, the State Water Resources Control Board staff prepared a Notice of Exemption specifying that under Class 7 of the CEQA Guidelines categorical exemptions (14 Cal. Admin. Code, Section 15307), the proposed action described above qualifies for an exemption in accordance with the California Environmental Quality Act (CEQA).

22. Having reviewed the changes requested by the Bureau and related information, the Board finds that the October 25, 1985 order by Board member Ruiz should be modified and that a temporary urgency change should be reissued to reflect the changed conditions requested by the Bureau and to eliminate terms 7, 8, and 9 of the October 25 order.

ORDER.

IT IS ORDERED THAT:

1. The permittee may temporarily divert or redivert water to storage in San Luis Reservoir using the Banks Pumping Plant of the California Department of Water Resources at the following location:

California Coordinates, Zone 3, N 486,035;  
E 1,695,057; within NW 1/4 of SE 1/4  
of projected Section 20, T1S, R4E, MDB&M.

under the following permits:

- a) Diversion to storage in San Luis Reservoir under Permit 12860 (Application 15764).
  - b) Rediversion to transfer stored water to San Luis Reservoir under Permits 12721, 11967, 12723, 11315, 11316, 11971, 12364 and 13776 (Applications 5626, 5628, 9364, 15374, 15375, 16767, 17376 and 18115).
2. Diversion or rediversion of water at the Banks pumping plant under this order shall be effective for a period starting November 15, 1985 and ending March 1, 1986. At the end of this period, this authorization shall be of no further force and effect.
  3. The total quantity of water diverted or rediverted under this temporary urgency change shall not exceed 28,000 acre-feet. Any water made available by this order shall be delivered solely to State and federal

wildlife refuges and management areas in the west Grasslands area to alleviate emergency water shortage conditions existing on those lands.

4. The maximum combined rate of diversion and rediversion under these permits from both the Banks Pumping Plant and the Tracy Pumping Plant shall not exceed 4,600 cubic feet per second.
5. No water shall be diverted pursuant to this order at any time when such diversion will jeopardize the existence of adequate water levels for agricultural pumping in southern Delta channels. South Delta Water Agency or any other party requesting that diversion of water pursuant to this order be restricted due to inadequate water levels should immediately define inadequate water levels with precise engineering criteria and send that information to the permittee, the Department of Water Resources (Department) and the Board. South Delta Water Agency shall inform representatives of the permittee, the Department and the Board of the existence or the potential for the existence of inadequate water levels as soon as reasonably possible.
6. The permittee shall report to the State Water Resources Control Board by May 1, 1986, the daily combined diversion and rediversion of the Tracy Pumping Plant and that portion of the diversion and rediversion of the Banks Pumping Plant made under this change order. The report shall also state the total acre-feet diverted and rediverted at the Banks Pumping Plant under this change order.
7. Pond discharge shall not cause adverse impacts to beneficial uses in the San Joaquin River system. The Board reserves jurisdiction to take such action as may be necessary including revocation of this order if the

Chief, Division of Water Rights determines that adverse impacts to beneficial uses are occurring in the San Joaquin River system as a result of activities authorized by this order.

8. This temporary urgency change order is issued and permittee takes it subject to the California Water Code, Division 2, Chapter 6.6, Section 1435 et seq. This temporary urgency change order shall not result in creation of a vested right, even of a temporary nature, but shall be subject at all times to modification or revocation at the discretion of the Board.
9. The Board shall supervise the use of water under the temporary urgency change order for the protection of vested rights and instream beneficial uses and for compliance with change order conditions.
10. Pursuant to California Water Code Sections 100 and 275, all rights and privileges under this temporary urgency change order, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion. The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this temporary urgency change order with a view to minimizing waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source.
11. Except as expressly provided herein, all terms and conditions of the permits covered by this order shall remain in effect.

12. This order supersedes the order allowing temporary urgency change in point of diversion and point of rediversion issued by Board Member Darlene E. Ruiz on October 25, 1985.

#### CERTIFICATION

The undersigned, Interim Executive Director of the State Water Resources Control Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on November 6, 1985.

Aye: Raymond V. Stone  
Darlene E. Ruiz  
E. H. Finster  
Eliseo M. Samaniego

No: None

Absent: None

Abstain: None

*Raymond Walsh*

Raymond Walsh  
Interim Executive Director

P 12727

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER RIGHTS

ORDER

APPLICATION 5625 and 26 others PERMIT 12720 and 26 others  
(as listed on attached sheet)

LICENSE \_\_\_\_\_

ORDER ALLOWING EXTENSION OF TIME  
TO COMPLY WITH SUISUN MARSH STANDARDS

WHEREAS:

1. Order Condition 7(b) of Decision 1485 requires the permittee to meet specific water quality standards for full protection of the Suisun Marsh by October 1, 1984, as set forth in Table II of the Decision.
2. A petition for an extension of time to comply with the water quality standards for full protection of Suisun Marsh set forth in Order Condition 7(b) and Table II of Decision 1485 was filed by the U. S. Bureau of Reclamation on August 6, 1985.
3. The permittee has proceeded with diligence and good cause has been shown for the extension of time.

NOW THEREFORE, IT IS ORDERED THAT:

1. Order Condition 7(b) of Decision 1485 is superseded in accordance with Order Conditions 2 and 3 below.
2. Permittee shall comply with the water quality standards for full protection of Suisun Marsh set forth in Order Condition 7(a) of Decision 1485 (hereinafter termed standards) in accordance with the following schedule:
  - (a) Permittee shall meet the standards by October 1, 1988 at the following locations:
    - (1) Sacramento River at Collinsville Road in Collinsville (C-2)
    - (2) Montezuma Slough at National Steel (three miles south of Mien's Landing) (S-64)
    - (3) Montezuma Slough near Beldon Landing (0.35 miles east of Grizzly Island Bridge) (S-49)
  - (b) Permittee shall either meet the standards by October 1, 1991 at:
    - (1) Chadbourne Slough at Chadbourne Road (S-21), and
    - (2) Cordelia Slough, 500 feet west of the Southern Pacific crossing at Cygnus (S-33),or meet the standards by October 1, 1993 at:
    - (1) Chadbourne Slough at Chadbourne Road (S-21), and
    - (2) Cordelia Slough at Cordelia-Goodyear Ditch (S-97)
  - (c) Permittee shall either meet the standards by October 1, 1991 at Goodyear Slough at the Morrow Island Clubhouse (S-35), or meet the standards by October 1, 1994 at Goodyear Slough, 1.3 miles south of Morrow Island Ditch (S-75)

(d) Permittee shall meet the standards by October 1, 1997 at:

- (1) Suisun Slough 300 feet south of Volanti Slough (S-42), and
- (2) Water supply intake locations for waterfowl management areas on Van Sickle Island and Chipps Island.

3. Table II of Decision 1485 is amended on page 39 to replace the Suisun Marsh electrical conductivity standards that became effective October 1, 1984 with the following:

BENEFICIAL USE PROTECTED and LOCATION	PARAMETER	DESCRIPTION	YEAR TYPE	VALUES	
FISH AND WILDLIFE				Month	EC in mmhos
• SUISUN MARSH					
- To become effective on October 1, 1988 at: Sacramento River at Collinsville Road in Collinsville (C-2)	Electrical Conductivity 'EC'	The monthly average of both daily high tide values not to exceed the values shown (or demonstrate that equivalent or better protection will be provided at the location)	All	Oct.	19.0
Montezuma Slough at National Steel (3 miles south of Mein's Landing) (S-64)				Nov.	15.5
Montezuma Slough near Beldon Landing (0.35 miles east of Grizzly Island Bridge) (S-49)				Dec.	15.5
				Jan.	12.5
				Feb.	8.0
				Mar.	8.0
				Apr.	11.0
				May	11.0
- To become effective either on October 1, 1991 at: Chadbourne Slough at Chadbourne Road (S-21) and Cordelia Slough, 500 feet west of the Southern Pacific crossing at Cygnus (S-33); or on October 1, 1993 at: Chadbourne Slough at Chadbourne Road (S-21) and Cordelia Slough at Cordelia-Goodyear Ditch (S-97)					
- To become effective either on October 1, 1991 at: Goodyear Slough at the Morrow Island Clubhouse (S-35); or on October 1, 1994 at: Goodyear Slough, 1.3 miles south of Morrow Island Ditch (S-75)					
- To become effective on October 1, 1997 at: Suisun Slough, 300 feet south of Volanti Slough (S-42), and Water supply intake locations for waterfowl management areas on Van Sickle Island and Chipps Island.					

4. By January 15 of each year, permittee shall provide, either separately or jointly with California Department of Water Resources, a written report to the Board on its progress toward achieving full compliance with this order.

*Lloyd D. Johnson*  
Lloyd D. Johnson, Interim Chief  
Division of Water Rights

Dated DECEMBER 5 1985

ATTACHMENT A

Permits of the United States Bureau of Reclamation:

Permit 12720 (Application 5625)  
Permit 12721 (Application 5626)  
Permit 11966 (Application 5627)  
Permit 11967 (Application 5628)  
Permit 12722 (Application 9363)  
Permit 12723 (Application 9364)  
Permit 12724 (Application 9365)  
Permit 12725 (Application 9366)  
Permit 12726 (Application 9367)  
Permit 12727 (Application 9368)  
Permit 11315 (Application 13370)  
Permit 11316 (Application 13371)  
Permit 11317 (Application 13372)  
Permit 11318 (Application 14662)  
Permit 11968 (Application 15374)  
Permit 11969 (Application 15375)  
Permit 11970 (Application 15376)  
Permit 12860 (Application 15764)  
Permit 11971 (Application 16767)  
Permit 11972 (Application 16768)  
Permit 11973 (Application 17374)  
Permit 16209 (Application 18721)  
Permit 16210 (Application 18723)  
Permit 15149 (Application 21542)  
Permit 16211 (Application 21636)  
Permit 16212 (Application 21637)  
Permit 15735 (Application 22316)



STATE OF CALIFORNIA  
STATE WATER RIGHTS BOARD

In the Matter of Applications 5625, 5626,  
9363, 9364, 9365, 9366, 9367, 9368, 10588,  
and 15764,

UNITED STATES OF AMERICA,  
BUREAU OF RECLAMATION,

Applicant

SACRAMENTO RIVER AND DELTA WATER  
ASSOCIATION, ET AL.,

Protestants

Sources: Sacramento  
River, Rock Slough,  
Old River, and  
Channels of the  
Sacramento-  
San Joaquin Delta

ADOPTED  
DEC 20 1965

ORDER EXTENDING TIME IN WHICH  
TO FORMULATE TERMS AND CONDITIONS  
RELATIVE TO SALINITY CONTROL  
PURSUANT TO DECISIONS D 990 AND D 1020

Condition No. 25 of the Board's order under Decision D 990, made on February 9, 1961, and condition No. 9 of the Board's order under Decision D 1020, made on June 30, 1961, reserved continuing jurisdiction over permits issued pursuant to Applications 5625, 5626, 9363, 9364, 9365, 9366, 9367, 9368, 10588, and 15764 until March 1, 1964, or such additional time as may be prescribed by the Board, for the purpose of formulating terms and conditions relative to salinity control in the Sacramento-San Joaquin Delta.

The initial period of three years was considered reasonable in order to allow the United States, the State of California, and the water users in the Delta an opportunity to work out their problems by mutual agreement; or, failing to reach agreement, to provide the Board with information upon which to make such further order as may be necessary and proper relating to salinity control in the Delta.

The Board finds that no emergency has arisen in the interim requiring imposition of specific permit terms; that additional time for the parties to resolve their problems would not cause injury to any lawful user of water; and that there has been no material change in project operations which would alter the conditions under which salinity incursion is now controlled.

Upon such findings, the Board concludes that the reservation of continuing jurisdiction should be extended.

IT IS HEREBY ORDERED that the State Water Rights Board reserve continuing jurisdiction over permits issued pursuant to Applications 5625, 5626, 9363, 9364, 9365, 9366, 9367, 9368, 10588, and 15764 until further order of the Board, for the purpose of formulating terms and conditions relative to salinity control in the Sacramento-San Joaquin Delta.

Adopted as the order of the State Water Rights Board at a meeting duly called and held in Sacramento, California, on the                      day of                      , 19

/s/ Kent Silverthorne  
Kent Silverthorne, Chairman

/s/ Ralph J. McGill  
Ralph J. McGill, Member

/s/ W. A. Alexander  
W. A. Alexander, Member

## STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

Application No. 9368 Filed August 2, 1938 at 8:38 A.M.  
(Applicant must not fill in the above blanks)

# APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

AMENDED APPLICATION RECEIVED 8-14-52

The United States of America, assignee of the above-numbered application for a permit to appropriate the following described unappropriated waters to be used in furtherance of Central Valley Project, California, which project is under the supervision of the United States Bureau of Reclamation, shows:

For the purpose of this application, the post office address of the applicant is United States Bureau of Reclamation, P. O. Box 2511, Sacramento 11, California.

## Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is Old River OVER  
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed  
 located in Alameda County, tributary to San Joaquin River

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use 4000 cubic feet per second, to be diverted from January 1 to December 31 of each year.  
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day  
Beginning date Closing date

(b) For diversion to be stored and later applied to beneficial use \_\_\_\_\_ acre-feet per annum, to be collected between \_\_\_\_\_ and \_\_\_\_\_ of each season.  
1 acre-foot equals 325,851 gallons  
Beginning date Closing date

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. If amount under (a) is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

3. The use to which the water is to be applied is irrigation and domestic  
Domestic, irrigation, power, municipal, mining, industrial, recreational  
 \_\_\_\_\_ purposes.

4. The point of diversion is to be located (see supplement  
State bearing and distance or coordinate distances from section or quarter section corner

being within the \_\_\_\_\_  
State 40-acre subdivision of public land survey or projection thereof  
 of Section \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M., in the County of \_\_\_\_\_

5. The main conduit terminates in Mendota Pool  
SE<sup>1</sup> of SE<sup>1</sup> of Sec. 19, T. 13S, R. 15E, M.D.B. & M.  
State 40-acre subdivision of U. S. Government survey or projection thereof

## Description of Diversion Works

NOTE.—An application cannot be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping from \_\_\_\_\_  
Sump, offset wall, unobstructed channel, etc.


(b) Diversion will be by gravity, the diverting dam being \_\_\_\_\_ feet in height (stream bed to level of overflow); \_\_\_\_\_ feet long on top; and constructed of \_\_\_\_\_  
Concrete, earth, brush, etc.

(c) The storage dam will be \_\_\_\_\_ feet in height (stream bed to overflow level); \_\_\_\_\_ feet long on top; have a freeboard of \_\_\_\_\_ feet, and be constructed of \_\_\_\_\_  
Concrete, earth, etc.

7. Storage Reservoir \_\_\_\_\_  
Name

The storage reservoir will flood lands in \_\_\_\_\_  
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of \_\_\_\_\_ acres, and a capacity of \_\_\_\_\_ acre-feet.

 In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

feet; depth of water \_\_\_\_\_ feet; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per 1,000 feet; materials

of construction \_\_\_\_\_  
Earth, rock, timber, etc.

(b) Pipe line: Diameter \_\_\_\_\_ inches; length \_\_\_\_\_ feet; grade \_\_\_\_\_ feet per  
1,000 feet; total <sup>fall</sup> lift from intake to outlet \_\_\_\_\_ feet; kind \_\_\_\_\_  
Riveted steel, concrete, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. The estimated capacity of the diversion conduit or pumping plant proposed is 4,600 cubic feet per second  
State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is \$ 67,000,000  
Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

## Completion Schedule

10. Construction work will begin on or before \_\_\_\_\_ under construction \_\_\_\_\_

Construction work will be completed on or before 1954

The water will be completely applied to the proposed use on or before 1965

## Description of Proposed Use

11. Place of Use. (See supplement and accompanying map No. 214-212-62)  
State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land

survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing of all

40-acre tracts, describe area in a general way and show detail upon map.

Do(es) applicant(s) own the land whereon use of water will be made? No Jointly? \_\_\_\_\_  
Yes or No Yes or No

Contracts have been or will be negotiated with representatives of owners  
If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him.

12. Other Rights. Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

Nature of Right (riparian, appropriative, purchased water, etc.)	Year of First Use	Use made in recent years including amount if known	Season of Use	Source of Other Supply
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____

Attach supplement at top of page 3 if necessary. any 320,000 acres during any one year within

13. Irrigation Use. The area to be irrigated is the gross service area of 988,000 acres.  
State net acreage to be irrigated

The segregation of acreage as to crops is as follows: ~~XXXX~~ various acres; alfalfa \_\_\_\_\_ acres;  
(see supplement)

orchard \_\_\_\_\_ acres; general crops \_\_\_\_\_ acres; pasture \_\_\_\_\_ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about January 1 and end about December 31  
Beginning date Closing date

14. Power Use. The total fall to be utilized is \_\_\_\_\_ feet.  
Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is \_\_\_\_\_ cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is \_\_\_\_\_ horsepower.  
Second feet  $\times$  fall  $\div$  5.5

The use to which the power is to be applied is \_\_\_\_\_  
For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is \_\_\_\_\_  
Turbine, Pelton wheel, etc.

The size of the nozzle to be used is \_\_\_\_\_ inches.

The water <sup>will</sup> be returned to \_\_\_\_\_ in \_\_\_\_\_ of  
<sup>will not</sup>  
Name stream State 40-acre subdivision

Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M.

15. Municipal Use. This application is made for the purpose of serving \_\_\_\_\_  
Neighborhood or city or town or towns. Urban areas only  
\_\_\_\_\_ having a present population of \_\_\_\_\_

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

16. Mining Use. The name of the mining property to be served is \_\_\_\_\_  
Name of claim  
\_\_\_\_\_ and the nature of the mines is \_\_\_\_\_  
Gold placer, quartz, etc.

The method of utilizing the water is \_\_\_\_\_

It is estimated that the ultimate water requirement for this project will be \_\_\_\_\_  
Cubic feet per second, gallons per minute. State basis of estimate

The water will be polluted by chemicals or otherwise \_\_\_\_\_  
will not Explain nature of pollution, if any

and it will be returned to \_\_\_\_\_ in \_\_\_\_\_ of  
will not Name stream State 40-acre subdivision

Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B. & M. \_\_\_\_\_

17. Other Uses. The nature of the use proposed is domestic  
Industrial, recreational, domestic, stockwatering, fish culture, etc.

State basis of determination of amount needed. stockwatering and domestic use incidental to irrigation  
Number of persons, residences, area of domestic lawns and gardens, number and kind of stock, type

Industrial use, and unit requirements.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## General

18. Are the maps as required by the Rules and Regulations filed with Application? Yes If not, state specifically the time required for filing same \_\_\_\_\_  
Yes or No

19. Does the applicant own the land at the proposed point of diversion? Yes If not, give name and address of owner and state what steps have been taken to secure right of access thereto \_\_\_\_\_  
Yes or No

20. What is the name of the post office most used by those living near the proposed point of diversion?

Byron & Tracy, California

21. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion? For names of diverters along the Old River below the intake of the Delta-Mendota Canal, see the State Sacramento-San Joaquin Water Supervision Report; names of other users unknown.

\_\_\_\_\_

\_\_\_\_\_

[SIGNATURE OF APPLICANT] /s/ Richard L. Boke  
Regional Director

This is to certify that the application of which the foregoing is a true and correct copy has been considered and approved by the State Water Rights Board SUBJECT TO VESTED RIGHTS and the following limitations and conditions:

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated: APR 12 1961

STATE WATER RIGHTS BOARD



L. K. Hill  
L. K. Hill  
Executive Officer

SUPPLEMENT TO APPLICATION 9368

Paragraph 2. AMOUNT OF WATER:

The direct diversion of 4,000 c.f.s. applied for herein will supplement the water applied for in Applications 5626 and 9364 for irrigation purposes, to the extent necessary to provide a total of upwards to 4,600 c.f.s., for diversion into the Delta-Mendota Canal, a major unit of the Central Valley Project.

Paragraph 4. POINT OF DIVERSION:

The point of diversion for the intake canal of the Tracy Pumping Plant and Delta-Mendota Canal is located on the Old River. The intake headworks, located at Canal Station L6+90, is S.  $76^{\circ} 39' 23''$  E., 2674.53 feet from the  $W\frac{1}{4}$  corner of Section 29, T. 1 S., R. 4 E., M.D.B. & M., being within the  $NE\frac{1}{4}$  of the  $SW\frac{1}{4}$  of said Section 29, in Alameda County.

The center line of the pump units of the Tracy Pumping Plant at Canal Station L133+75 is N.  $26^{\circ} 54' 47''$  E., 800.63 feet from the SW corner of Section 31, T. 1 S., R. 4 E., M.D.B. & M., being within the  $SW\frac{1}{4}$  of the  $SW\frac{1}{4}$  of said Section 31, in Alameda County.

The terminus of the pump discharge conduits and beginning of the concrete-lined gravity section of the Delta-Mendota Canal at Canal Station L185+50, is S.  $37^{\circ} 38' 22''$  W., 1988.26 feet from the  $E\frac{1}{4}$  corner of Section 1, T. 2 S., R. 3 E., M.D.B. & M., being within the  $SE\frac{1}{4}$  of the  $SE\frac{1}{4}$  of said Section 1, in Alameda County.

Paragraph 6. INTAKE OF HEADWORKS:

Water is diverted from the Old River through fish-protective headworks and the intake canal to the Tracy Pumping Plant where 4,600 c.f.s. of water will be lifted approximately 200 feet to the gravity section of the Delta-Mendota Canal.

Paragraph 8. CONDUIT SYSTEM:

The intake canal between the Old River and the Tracy Pumping Plant is approximately 2.5 miles in length and has a width of 185.6 feet at water surface, a bottom width of 97.7 feet, and a water depth of 14.3 feet. At the pumping plant, 4,600 c.f.s. of water will be lifted approximately 200 feet by 6 electrically-driven pumps with a capacity of 767 c.f.s. each, through three reinforced concrete conduits 15 feet in diameter and 1 mile long, and discharged into a gravity canal which extends in a southerly direction about 113 miles to the Mendota Pool on the San Joaquin River. The first 95 miles of the gravity canal are concrete-lined; the initial section is 97.68 feet wide at the water surface, 48.00 feet wide at the bottom, has a water depth of 15.65 feet, and has a capacity of 4,600 c.f.s. The last 18 miles of the gravity canal are earth-lined. The initial section has a top width of 131.5 feet, a bottom width of 62.0 feet, and a water depth of 13.9 feet. The canal grade is 0.05 feet per 1000 feet.

Paragraph 11. PLACE OF USE:

The place of use will be within an estimated gross area of 988,000 acres, on the San Joaquin Valley floor as delineated on map No. 2114-212-62, accompanying this application.

The water will be used within the service areas of districts, water companies, corporations, and other legal entities, either as a primary or supplemental supply, provided that the delivery of the water is conditioned upon the execution of valid contracts, for such deliveries, with the United States of America, or other authorization which may be made or given by authority of and pursuant to law.

Paragraph 13. IRRIGATION USE:

The general crop segregation of the irrigable acreages will be cotton, alfalfa, irrigated pasture, rice, orchards, vineyards, cereals, hay, and other crops adaptable to the areas involved.

Parts of the irrigable area included within the described place of use are or will be adequately served with water under lawful rights acquired and used independently of the United States. Other parts of the area will be partially so served, but will require a supplemental water supply which will be furnished through rights acquired by the United States.



1. The amount of water to be appropriated shall be limited to the amount which can be beneficially used and shall not exceed 4,000 cubic feet per second to be diverted from January 1 to December 31 of each year.

2. The total amount of water to be appropriated by direct diversion and by storage under permits issued pursuant to Applications 5626, 9363, 9364, 9366, 9367 and 9368 shall not exceed 6,500,000 acre-feet per annum of which not in excess of 3,450,000 acre-feet per annum shall be by direct diversion. The maximum combined rates of direct diversion and redirection of stored water shall not exceed 22,200 cubic feet per second.

3. No direct diversion for beneficial use under this permit, other than through the conduit or canal hereinafter named in this paragraph, shall be made until a description of the location of each point of diversion and statement of the quantity of water to be diverted is filed with the State Water Rights Board:

(g) Delta Mendota Canal

4. The amount of water which may be appropriated hereunder may in license be reduced if investigation warrants, and may be reduced at any time prior to license if the reservation contained in Paragraph 11 of this permit is modified or set aside upon judicial review.

5. All rights and privileges under this permit, including method of diversion, method of use and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use and unreasonable method of diversion of said water.

6. Construction work shall be completed on or before December 1, 1985.

7. Complete application of the water to the proposed use shall be made on or before December 1, 1990.

8. Progress reports shall be filed promptly by permittee on forms to be provided annually by the State Water Rights Board until license is issued.

9. This permit is subject to compliance with Water Code Section 10504.5(a).

10. In conformity with Water Code Section 10505, this permit shall be subject to any and all rights of any county in which the water sought to be appropriated originates to the extent that any such water may be necessary for the development of such county.

11. Direct diversion of water under this permit for use beyond the Sacramento-San Joaquin Delta\* or outside the watershed of Sacramento River Basin\*\* shall be subject to rights initiated by applications for use within said watershed and Delta regardless of the date of filing said applications.

12. The State Water Rights Board reserves continuing jurisdiction over this permit until March 1, 1964, or such additional time as may be prescribed by the Board, for the purpose of formulating terms and conditions relative to

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\* For the purpose of this permit the Sacramento-San Joaquin Delta shall be that area defined in Water Code Section 12220.

\*\* For the purpose of this permit the Sacramento River Basin shall be that portion of the State encompassed by a line beginning at the Sacramento-San Joaquin Delta at Collinsville thence northeasterly to the crest of the Montezuma Hills; thence northwesterly through the crest of the Vaca Mountains; thence northerly along the crest of Putah, Cache, Stony, Thomas and Cottonwood Creek Basins and along the crest of the Trinity Mountains to Mt. Eddy; thence easterly through Mt. Shasta and along the northern boundary of the Pit River Basin to the crest of the Warner Mountains; thence southerly and westerly along the boundary of the Pit River Basin to Red Cinder Cone Peak; thence easterly along the northern boundary of the Feather River Basin to the crest of the Sierra-Nevada; thence southerly along the crest of the Sierra-Nevada to the southern boundary of the American River Basin; thence westerly along the southern boundary of the American River Basin to the eastern boundary of said Delta; thence northerly, westerly and southerly along the boundary of the Delta to the point of beginning.

salinity control in the Sacramento-San Joaquin Delta. Permittee shall on or before January 1, 1962, and each six months thereafter submit to the Board a written report as to the progress of negotiations relative to agreement between permittee and the State of California and/or the permittee and water users in the Delta and in Northern Contra Costa County.

13. The Board reserves continuing jurisdiction over this permit for an indefinite period not to extend beyond the date of issuance of license for the purpose of coordinating terms and conditions of this permit with terms and conditions which have been or which may be included in permits issued pursuant to other applications of the United States in furtherance of the Central Valley Project and applications of the State of California in furtherance of the State Water Resources Development System.

14. Upon the request of the Board permittee shall make such measurements and maintain and furnish to the Board such records and information as may be necessary to determine compliance with the terms and conditions of this permit, including the recognition of vested rights and for the further purpose of determining the amount of water placed to beneficial use under this permit.

15. This permit is subject to "Agreement Between the United States of America and the Department of Water Resources of the State of California for the Coordinated Operation of the Federal Central Valley Project and the State Feather River and Delta Diversion Projects" dated May 16, 1960, filed of record as Department of Water Resources Exhibit 77 at the hearing of said applications.

16. Subject to the existence of long-term water delivery contracts between the United States and public agencies and subject to compliance with the provisions of said contracts by said public agencies, this permit is further conditioned as follows:

(a) The right to the beneficial use of water for irrigation purposes, except where water is distributed to the general public by a private agency in charge of a public use, shall be appurtenant to the land on which said water shall be applied, subject to continued beneficial use and the right to change the point of diversion, place of use and purpose of use as provided in Chapter 10 of Part 2 of Division 2 of the Water Code of the State of California and further subject to the right to dispose of a temporary surplus.

(b) The right to the beneficial use of water for irrigation purposes shall, consistent with other terms of the permit, continue in perpetuity.